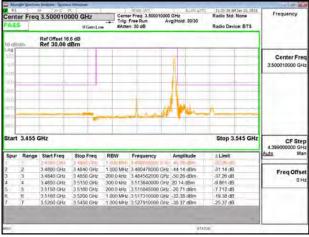
# Report No.: ER/2021/C0138 Page: 89 of 172

Band77-Part27\_30MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_77\_CH631000

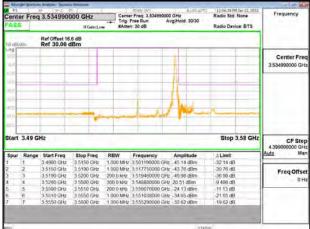
S

Center Freq 3.465000000 GHz			Trig:	Free Run A n: 30 dB	GHz vgHold: 30/30	Radio Std: None Radio Device: BTS	Frequency	
10 49	unu.	Ref Offset 16	.6 dB			-		
ng		Rel 30.00 dBm					T T	10000
10.0						1		Center Fred 3.465000000 GHz
min						1		3.465000000 GHS
ED						0		
						1		
22,0				_		11		
23.6			_			1 10		
400-			1.1.1.1.1.1.1		1	and the second	A I	
510					and the second second			
(0.5)			_	-				
Start	3.42 G	Hz		_			Stop 3.51 GHz	CF Step
Spur	Range	Start Freg	Stop Freg	RBW	Frequency	Amplitude	ALimit	Auto Mar
1	1	3 4500 CHI	3 #450 (784)	110000000000000000000000000000000000000	1479000000 E-h		HI I MI DE	
5	2	3.4450 GHz	3 4490 GHz		3 445480000 GHz		-31 27 dB	FregOffse
3	3	3 4490 GHz	3 4500 GHz		3.449588000 GHz		-37.00 dB	OH
4	'4	3 4500 GHz	3 4800 GHz		3 478800000 GHz		-11 72 dB	015
5	5	3.4800 GHz	3.4810 GHz		3.480034000 GHz		-8.500 dB	
6	6	3.4810 GHz	3.4850 GHz		3.481080000 GHz		.18.71 dB	
7	7	3 4850 GHz	3.5100 GHz	1 000 MHz	3 492700000 GHz	-35 44 dBm	-22.44 dB	

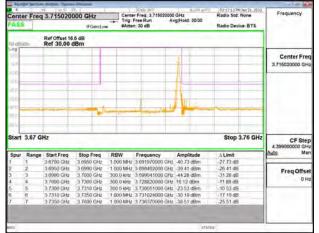
Band77-Part27 30MHz DFT s OFDM SCS30kHz BPSK RB1 77 CH633334



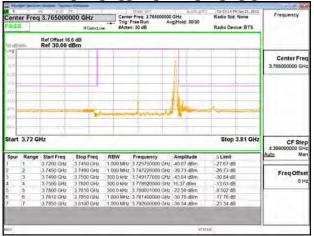
Band77-Part27\_30MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_77\_CH635666



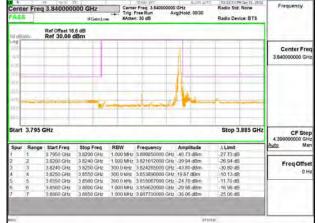




Band77-Part27 30MHz DFT s OFDM SCS30kHz BPSK RB1 77 CH651000



Band77-Part27\_30MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_77\_CH656000



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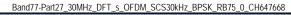
#### Band77-Part27\_30MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB75\_0\_CH631000

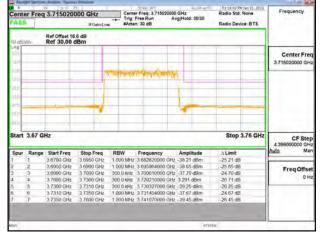
Center Freq 3.465000000 GHz					Free Run Av	GHz	11/21/29 44/3en 72, 2012 Radio Std: None	Frequency
PASS			FGento		n: 30 dB	anna. an an	Radio Device: BTS	
10 dBA	div.	Ref Offset 16 Ref 30.00						
10.0 10.0								Center Freq 3.46500000 GHz
1000		-		1011.4.1				
22,0								
-			-			1 al an	-	
ano -	-							
	3.42 G	Hz					Stop 3.51 GHz	CF Step
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ALimit	Auto Man
1	1	3 4200 GHz	3.4450 GHz	1.000 MHz	3.444000000 GHz	-41.24 dBm	-28 24 dB	
2	2	3.4450 GHz	3 4490 GHz		3 448000000 GHz		-25.53 dB	Freq Offset
3	3	3 4490 GHz	3 4500 GHz		3.449993000 GHz		-24.34 dB	OHz
4		3 4500 GHz	3 4800 GHz		3 463230000 GHz		-26.38 dB	0 112
5	5	3.4800 GHz	3.4810 GHz		3.483866000 GHz		-26.41 dB	-
6	6	3 4810 GHz	3.4850 GHz		3 484668000 GHz		-25.85 dB	
7	7	3 4850 GHz	3.5100 GHz	3 000 MHz	3 490750000 GHz	-39.55 dBm	-26.55 dB	
a .	_	_	_	_		STAT	IS.	-

Band77-Part27 30MHz DFT s OFDM SCS30kHz BPSK RB75 0 CH633334

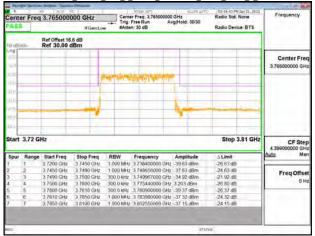


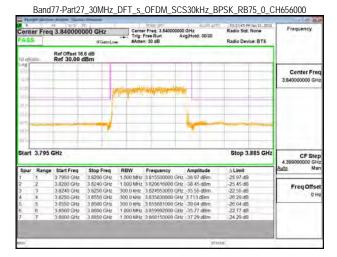
Band77-Part27\_30MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB75\_0\_CH635666 12:07:30 PM Jan 2 Radio Std: Non nter Freq 3.534990000 GHz AvaiHold Radio Device: BTS Ref Offset 16.6 dB Ref 30.00 dBm Center Fr 183. 3.49 GH Stop 3.58 GH CF Step 4.35 Amplitude 41 29 dBn 39 20 dBn 41 33 dBn 28 29 dB 26 20 dB 28 33 dB 27 27 dB 29 85 dB 24 67 dB 23 68 dB Freq Offse 3 5150 GHz 3 5190 GHz 3 5200 GHz 3 5500 GHz 3 5510 GHz 3 5500 GHz 3 5500 GHz 3 5510 GHz 3 5510 GHz 3 5550 GHz 200.0 kHz 200.0 kHz 200.0 kHz 200.0 kHz 1.000 kHz 1.000 kHz 3 519105000 GHz 41 33 dBn 3 519105000 GHz 41 33 dBn 3 538500000 GHz 42 85 dBn 3 554046000 GHz -37 67 dBn 3 554046000 GHz -37 67 dBn 3 55290000 GHz -36 68 dBn OF





Band77-Part27 30MHz DFT s OFDM SCS30kHz BPSK RB75 0 CH651000





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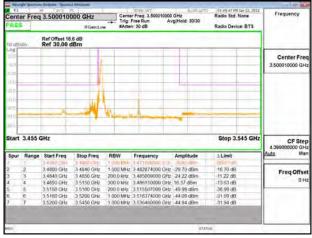
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#### Band77-Part27\_30MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_0\_CH631000

	Server and an and a server and a server and a			Trig:	Free Run Av n: 30 dB	GHz giHold: 30/30	12:18:53 PM Jan 32, 2032 Radio Std: None Radio Device: BTS	Frequency
10 080	div.	Ref Offset 16 Ref 30.00 d						
10.0								Center Freq 3.465000000 GHz
100		-						
20.0 20.0			- 1		+			
ano -	_	-		here	have	-		
1015	_							
Start	3.42 G	Hz	-	-	_		Stop 3.51 GHz	CF Step 4.399000000 GHz
Spur	Range	Start Freg	Stop Freq	RBW	Frequency	Amplitude	ALimit	Auto Man
1	1	3 4200 GHz	3.4450 GHz	1.000 MHz	3.437000000 GHz	-40.04 dEm	-27.04 dB	
2	2	3.4450 GHz	3 4490 GHz	1 000 MHz	3 448740000 GHz	-30.42 dBm	-17.42.d8	Freq Offset
3	3	3 4490 GHz	3 4500 GH±		3.449993000 GHz		-11.39 dB	0 Hz
4	'4	3 4500 GHz	3 4800 GHz		3.451260000 GHz		-17.48 dB	0 112
5	5	3.4800 GHz	3.4810 GHz		3.480952000 GHz		-36.95 dB	
6	6	3.4810 GHz	3.4850 GHz		3.482336000 GHz		-31 13 dB	
7	7	3 4850 GHz	3.5100 GHz	1 000 MHz	3 487 100000 GHz	-44 84 dElm	-31.84 dB	
80	_	_		_		STAT	is	-

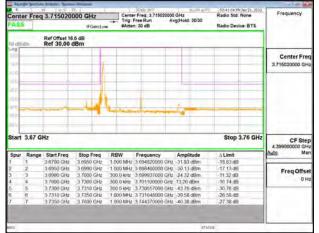
Band77-Part27 30MHz CP OFDM SCS30kHz QPSK RB1 0 CH633334



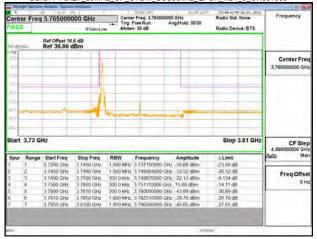
Band77-Part27\_30MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_0\_CH635666

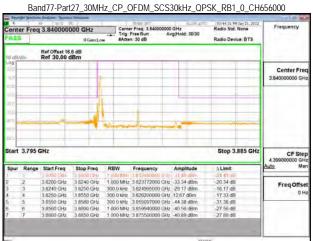
					Free Run Av	GHz gHold: 30/30	01:17:36 PH Jan 22, 20 Radio Std: None	12 Frequency
PASS		C	FGento		n: 30 dB	ginola: aoiao	Radio Device: BTS	
10 dBA	elle.	Ref Offset 16 Ref 30.00 d						
roll.								Center Free
0.0			1					3.534990000 GH
nin								3.534250000 GH.
who -								
200						1.2		
ni à			1					
400			-	1.0	- he			
510				- And a state of the state of t		-		
102			-					
Start	3.49 G	Hz					Stop 3.58 GH	CF Step
Spur	Range	Start Freg	Stop Freg	RBW	Frequency	Amplitude	A Limit	Auto Mar
1	1	3 4900 GHz	3.5150 GHz	1.000 MHz	3.507390000 GHz	-39.46 dBm	-26 46 dB	
2	2	3.5150 GHz	3.5190 GHz		3 518350000 GHz		-18 74 dB	FregOffset
3	3	3.5190 GHz	3.5200 GHz		3.519990000 GHz		-6.703 dB	OH
4	4	3 5200 GHz	3 5500 GHz		3.521160000 GHz		-11.47 dB	
5	5	3 5500 GHz	3 5510 GHz 3 5550 GHz		3.550829000 GHz		-36 69 dB	-
7	6	3.5510 GHz 3.5550 GHz	3 5550 GHz		3 551370000 GHz 3 557840000 GHz		-30.74 dB -31.47 dB	-
-	r	a coord GHz	0.0000 L3H2	3 000 6842	STODARDON PLAT	See er ubim	(-31)er 08	

Band77-Part27\_30MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_0\_CH647668



Band77-Part27 30MHz CP OFDM SCS30kHz QPSK RB1 0 CH651000





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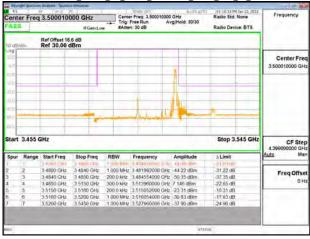
# Report No.: ER/2021/C0138 Page: 92 of 172

### Band77-Part27\_30MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_77\_CH631000

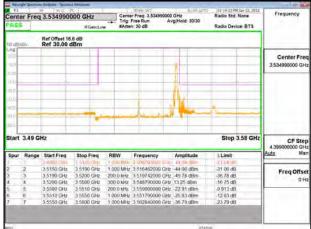
S

10 41		0 180 1	N. 1	X	SEARCHAT	4.1PM 4010	12:17:37 PM Jan 22, 2012	and the second
Cente	ASS IFGentoe			Trig:	rr Freq: 3.48500000 Free Run A n: 30 dB	o GHz vgiHold: 30/30	Radio Std: None Radio Device: BTS	Frequency
10 dB	div.	Ref Offset 16 Ref 30.00 d						
10.0 -						1		Center Freq 3.465000000 GHz
2000 - 1111 -								
100					1	1		
101 C			-		1			
Start	3.42 G	Hz		-			Stop 3.51 GHz	CF Step 4.399000000 GHz
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ALImit	Auto Man
1	1	3 4200 GHz	3.4450 GHz		3.430750000 GH		-32 35 dB	
2	2	3.4450 GHz	3 4490 GHz		3 448180000 GHg		-31.02.08	FregOffset
3	3	3 4490 GHz	3.4500 GHz		3.449377000 GRI		-36 89 dB	0 Hz
4	'4	3 4500 GHz	3 4800 GHz		3 478800000 GHz		-13.38 dB	0 112
5	5	3.4800 GHz	3.4810 GHz		3.480009000 GHa		-12.62 dB	-
6	6	3.4810 GHz	3.4850 GHz		3.481016000 GHb		-21.50 dB	
7	7	3 4850 GHz	3 5100 GHz	3 000 MHz	3 492350000 GH	-39.27 dBm	-26.27 d8	
-							15	

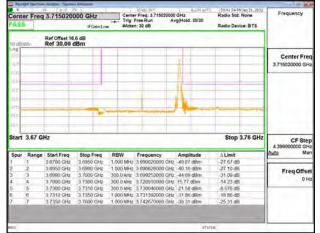
Band77-Part27 30MHz CP OFDM SCS30kHz QPSK RB1 77 CH633334



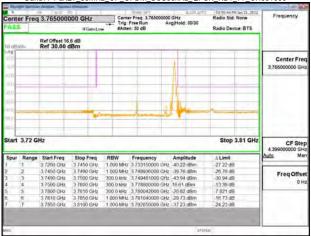
Band77-Part27\_30MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_77\_CH635666

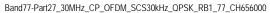


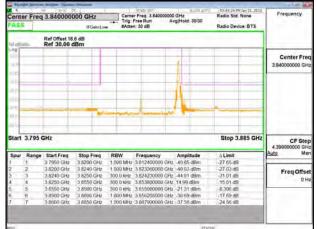
Band77-Part27\_30MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_77\_CH647668



Band77-Part27 30MHz CP OFDM SCS30kHz QPSK RB1 77 CH651000







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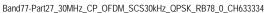
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# Report No.: ER/2021/C0138 Page: 93 of 172

#### Band77-Part27\_30MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB78\_0\_CH631000

Server Fred Stressesses of Stre			Trig:	Free Run Av n: 30 dB	GHz gHold: 30/30	12:19:32 PM Jan 32, 2032 Radio Std: None Radio Device: BTS	Frequency	
10 08	div.	Ref Offset 16 Ref 30.00						
10.0								Center Freq 3.46500000 GHz
100			1	- Westerney	- Martin Contan	٩		
20								
and a						Lan-	ting .	
ain In L				-				
L	3.42 G	Hz		_			Stop 3.51 GHz	CF Step 4 39900000 GHz
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	A Limit	Auto Man
1	1	3 4200 GHz	3.4450 GHz	1.000 MHz	3.440900000 GHz	-35.75 dBm	-22.75 dB	
2	2	3.4450 GHz	3 4490 GHz		3 445244000 GHz		-17.46 dB	Freq Offset
3	3	3 4490 GHz	3 4500 GHz		3.449133000 GRz		-26.16 dB	0 Hz
4	4	3 4500 GHz	3 4800 GHz		3 470070000 GHz		-29.65 dB	0 113
5	5	3.4800 GHz	3.4810 GHz		3.48000000 GHz		-25.51 dB	
6	6	3.4810 GHz	3.4850 GHz		3 483380000 GHz		-20.18 dB	
7	7	3 4850 GHz	3 5100 GHz	1 000 MHz	3 485750000 GHz	-34 88 dEm	-21.88 dB	
							-	

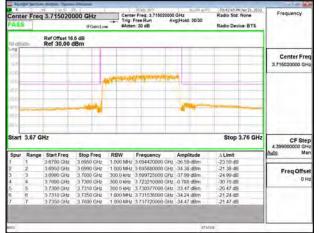




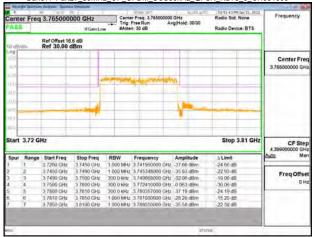
Band77-Part27\_30MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB78\_0\_CH635666

					Center Freq: 3.534990000 GHz Trig: Free Run AvaiHold: 30/30			Radio Std	H Jan 72, 2012 I: None	Frequency
PASS		C	FGentle		n: 30 dB	ginoid	. 30/30	Radio Device: BTS		1.000
10 08	div.	Ref Offset 16 Ref 30.00 d								
roa [									1	Center Free
-0.0								-		3.534990000 GHz
nin										
whe				Sec. 1	C. Martin	e		-		
22.0	-	1			_	1				
16.0										
and a						14	-			
100	a second									
100										
10.0										
Start	3.49 G	Hz			-			Stop	3.58 GHz	CF Step 4.39900000 GHs
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Ampl	itude	ALImit	_	Auto Man
1	1	3 4900 GHz	3.5150 GHz	1.000 MHz	3.507490000 GHz	-36.32	dBm	-23 32 di	3	
2	2	3.5150 GHz	3.5190 GHz		3 516490000 GHz			-19.10 dt		Freq Offset
3	3	3.5190 GHz	3.5200 GHz		3.519639000 GHz			-23.46 dE		0 Hz
4	'4	3 5200 GHz	3 5500 GHz		3.544350000 GHz			-29 24 dt		0 112
5	5	3 5500 GHz	3.5510 GHz		3.550268000 GHz			-23 18 dE		
0.	6	3.5510 GHz 3.5550 GHz	3 5550 GHz		3 551186000 GHz 3 555090000 GHz			-18.53 dE		
/	1	3 5550 GHz	3.5800 GH2	3 0,00 MHz	1255090000 GHZ	-30 35	dem	-23.85 dt		
-						_	UTA11	-		

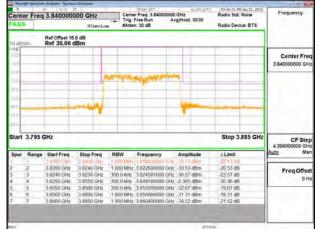
Band77-Part27\_30MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB78\_0\_CH647668



Band77-Part27 30MHz CP OFDM SCS30kHz QPSK RB78 0 CH651000







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#### Band77-Part27\_40MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB100\_0\_CH631334

Radio Device: BTS	(Hold: 30/30	Free Run Av 1: 30 dB		FGentlo	3.470010		PAS
				a lan			
					Ref Offset 16 Ref 30.00 (		10 dB
							203 - 10.5
		Manufaction and an	Auto				100
							20.0 - 30.0 -
hand	- trans			-	into		100
		-					(0)
Stop 3.53 GHz CF Step 4.39900000 GHz					Hz	3.41 G	Start
Auto Mar	Amplitude	Frequency	RBW	Stop Freq	Start Freq	Range	Spur
1 -24.90 dB	37 90 dBm	3.434020008 GHz	1.000 MHz	3.4450 GHz	3.4100 GHz	1	1
-24 53 dB Freg Offsel	37.53 dBm	3 448722000 GHz	1 000 MHz	3 4490 GHz	3.4450 GHz	2	2
n -26.12.dB		3.449863000 GHz		3 4500 GHz	3 4490 GHz		3
		3 482610000 GHz		3 4900 GHz	3 4500 GHz		4
-30.94 dB	43.94 dBm	3.490122000 GHz	200.0 kHz	3.4910 GHz	3 4900 GHz	5	5
-3V-24 UD		3 493670000 GHz	1.000 MHz	3 4950 GHz	3.4910 GHz	6	6.
	38.55 dBm	3 4930100001 0145				7	

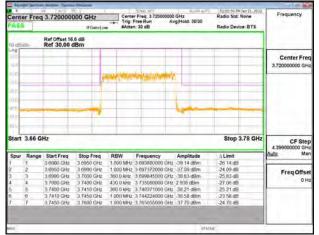
Band77-Part27 40MHz DFT s OFDM SCS30kHz BPSK RB100 0 CH633334



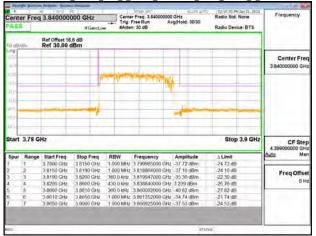
Band77-Part27\_40MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB100\_0\_CH635332

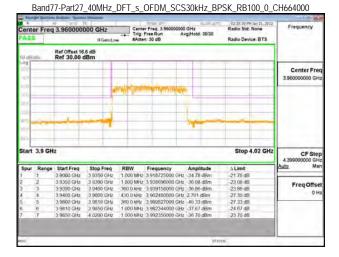
	1.0	3.529980	R. Lawrence M.		Freq 3.529980000	GHz giHold: 30/30	10:53:13:44 Jan 72, 2012 Radio Std: None	Frequency
PAS	s		IFGen1.o		1: 30 dB	diuniar anan	Radio Device: BTS	
10 dB	div.	Ref Offset 16 Ref 30.00 d						
Pull L								Center Free
-0.0								3.529980000 GHz
nin				1100	a march			5.522500000 011
10.0			1	1.1	NAME OF TAXABLE			
200	-	1				1		
100								
100	-	-	and the second			1000	- martin	
55.0	-					1		
105				_		-		
Start	3.47 G	Hz					Stop 3.59 GHz	CF Step
Spur	Range	Start Freg	Stop Freg	RBW	Frequency	Amplitude	A Limit	Auto Man
1	1	3 4700 GHz	3.5050 GHz	1.000 MHz	3.504840000 GHz	-39.65 dBm	-26.65 dB	
2	2	3.5050 GHz	3.5090 GHz		3 507540008 GHz		-23.09 dB	Freq Offset
3	3	3 5090 GHz	3.5100 GHz		3.509950000 GHz		-23.01 dB	OH
4	'4	3 5100 GHz	3 5500 GHz		3.516820000 GHz		-26.71 dB	0 113
5	5	3 5500 GHz	3.5510 GHz		3.550165000 GHz		-31 85 dB	
6	6	3.5510 GHz	3.5550 GHz		3 552216000 GHz		-25.61 dB	
7	17	3 5550 GHz	3.5900 GHz	1 000 MPHz	3.564430000 GHz	-41 91 dBm	-28.91 dB	
						STATE		-

Band77-Part27\_40MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB100\_0\_CH648000



Band77-Part27\_40MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB100\_0\_CH656000





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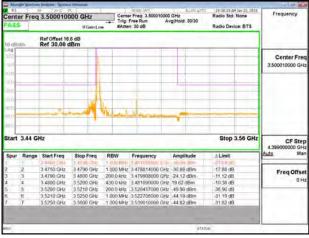
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# Report No.: ER/2021/C0138 Page: 95 of 172



PAS		3.470010	IFGentlow	Trig:	rr Freq: 3.470010000 Free Run Av n: 30 dB	GHz giHold: 30/30	Radio Std: None Radio Device: BTS	Frequency
10 dB	ville.	Ref Offset 16 Ref 30.00 d						
100								Center Free
0.0								3.470010000 GH:
10.00								
27.0								
-								
- 1								
105.04			~~~	1000	Nile	-		
III S				Valen	NA	1		
10.5	3,41 G	Hz		Vien	NA	1	Stop 3.53 GHz	
10.5	10000		Stop Freg	REW	Frequency	Amplitude	Stop 3.53 GHz	4.399000000 GH:
Start	10000	Hz Start Freq 3.4100 GHz	Stop Freq 3 4450 GHz		Frequency 3 432270000 GHz	Amplitude -40.29 dBm		CF Step 4.39900000 GH3 <u>Auto</u> Mar
Start	10000	Start Freq		1.000 MHz		-40.29 dBm	ALimit	4.399000000 GHs Auto Mar
Start	Range 1 2 3	Start Freq 3.4100 GHz 3.4450 GHz 3.4490 GHz	3 4450 GHz 3 4490 GHz 3 4500 GHz	1.000 MHz 1.000 MHz 200.0 RHz	3 432270000 GHz 3 447898000 GHz 3 449982000 GHz	-40.29 dBm -31 84 dBm -27 53 dBm	A Limit -27.29 dB -18.84 dB -14.53 dB	4.399000000 GH Auto Mar Freq Offse
Start	Range 1 2	Start Freq 3.4100 GHz 3.4450 GHz 3.4450 GHz 3.4500 GHz 3.4500 GHz	3 4450 GHz 3 4490 GHz 3 4500 GHz 3 4500 GHz	1.000 MHz 1.000 MHz 200.0 kHz 430 0 kHz	3 432270000 GHz 3 447898000 GHz 3 449982000 GHz 3 451170000 GHz	-40.29 dBm -31 84 dBm -27 53 dBm 17 73 dBm	A Limit -27 29 dB -18 84 dB -14 53 dB -12 27 dB	4.399000000 GH Auto Mar Freq Offse
Start	Range 1 2 3	Start Freq 3.4100 GHz 3.4450 GHz 3.4490 GHz	3 4450 GHz 3 4490 GHz 3 4500 GHz	1.000 MHz 1.000 MHz 200.0 kHz 430 0 kHz	3 432270000 GHz 3 447898000 GHz 3 449982000 GHz	-40.29 dBm -31 84 dBm -27 53 dBm 17 73 dBm	A Limit 27 29 dB 48 84 dB 34 53 dB 42 27 dB 37 13 dB	4.399000000 GH Auto Mar Freq Offse
Start	Range 1 2 3 4	Start Freq 3.4100 GHz 3.4450 GHz 3.4450 GHz 3.4500 GHz 3.4500 GHz	3 4450 GHz 3 4490 GHz 3 4500 GHz 3 4500 GHz	1.000 MHz 1.000 MHz 200.0 8Hz 430.0 8Hz 200.0 8Hz	3 432270000 GHz 3 447898000 GHz 3 449982000 GHz 3 451170000 GHz	40.29 dBm 31.84 dBm 27.53 dBm 17.73 dBm 50.13 dBm	A Limit -27 29 dB -18 84 dB -14 53 dB -12 27 dB -37 13 dB -31 31 dB	4.399000000 GH: Auto Mar
Start	Range 1 2 3 4 5	Start Freq 3.4100 GHz 3.4450 GHz 3.4450 GHz 3.4500 GHz 3.4500 GHz 3.4500 GHz	3 4450 GHz 3 4490 GHz 3 4500 GHz 3 4900 GHz 3 4910 GHz	1.000 MHz 1.000 MHz 200.0 KHz 430 0 KHz 200.0 KHz 1.000 MHz	3 432270000 GHz 3 447898000 GHz 3 4479982000 GHz 3 451170000 GHz 3 490981000 GHz	40.29 dBm -31 84 dBm -27 53 dBm 17 73 dBm -50 13 dBm -44 31 dBm	A Limit 27 29 dB 48 84 dB 34 53 dB 42 27 dB 37 13 dB	4.399000000 GH Auto Mar Freq Offse

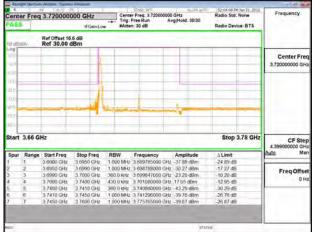
Band77-Part27 40MHz DFT s OFDM SCS30kHz BPSK RB1 0 CH633334



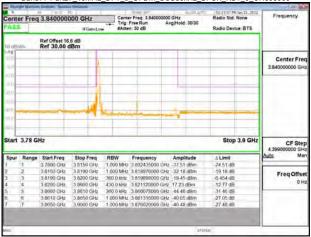
Band77-Part27\_40MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_0\_CH635332

41.	1.0	3.529980	R. Lawrence H		r Freq: 3.829950000 Free Run Av	GHz giHold: 30/30	10:50:30 44 Jan 32, 201 Radio Std: None	2 Frequency
PASS			IFGeirc1.or		n: 30 dB	and a days	Radio Device: BTS	
10 dB)	div.	Ref Offset 16 Ref 30.00 (						
-og							T	
9.0			1					Center Free 3.529980000 GHz
								3.529980000 GHS
10.00								
-	_					1.2		
22,0				-		_		
0.00						_		
10	-			Liv.				
100				V.V.L	-	-		
105			-					
Start	3.47 G	Hz	-	-	-	-	Stop 3.59 GH	CF Step
Sour	Ranne	Start Freg	Stop Freg	RBW	Frequency	Amplitude	ALImit	Auto Man
1	1	3 4700 GHz	3.5050 GHz		3 492030000 GHz		-27.03 dB	
2	2	3.5050 GHz	3 5090 GHz	1 000 MHz	3 508908000 GHz	-29.14 dEm	-16 14 dB	FreqOffset
3	3	3 5090 GHz	3.5100 GHz		3.509917000 GHz		-11.31 dB	OHa
4	4	3 5100 GHz	3 5500 GHz		3.511060000 GHz		-12.22 dB	0 112
5	5	3 5500 GHz	3.5510 GHz		3.550546000 GHz		-36.73 dB	
6	6	3.5510 GHz	3.5550 GHz		3 552080000 GHz		-30.78 dB	
7	1	3 5550 GHz	3.5900 GHz	1 000 MHz	3.575630000 GHz	-44.55 dBm	-31.55 dB	

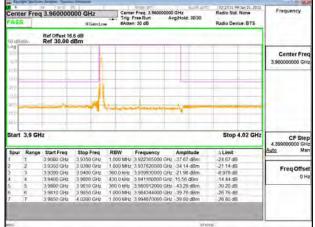
Band77-Part27\_40MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_0\_CH648000



Band77-Part27\_40MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_0\_CH656000







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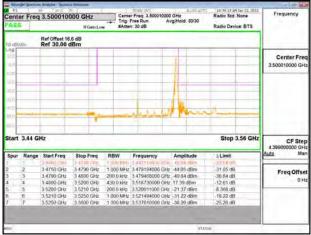
# Report No.: ER/2021/C0138 Page: 96 of 172



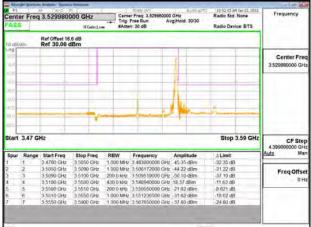
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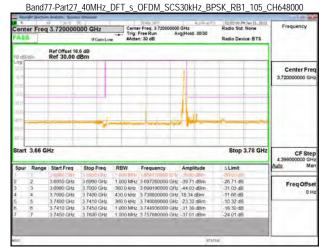
Band77-Part27\_40MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_105\_CH631334 Radio Std: None Center Freq: 3.470010 Trig: Free Run 00 GHz Avg/Hold: 30/30 enter Freq 3.470010000 GHz Radio Device: BTS Ref Offset 16.6 dB Ref 30.00 dBm Center Fr 3.47001 Stop 3.53 GH 341 CH CF Step Start Fred Stop Fr RBV Limi 1 000 MHz 3 445394000 CHz 44 28 dBn 200 6 Hz 3 446394000 CHz 44 28 dBn 430 0 Hz 3 44960300 CHz 50 12 dBn 430 0 Hz 3 458980000 CHz 11 37 dBn 200 0 Hz 3 458980000 CHz 11 37 dBn 200 0 Hz 3 4599011000 CHz 30 48 dBn 1 000 MHz 3 491370000 CHz 31 48 dBn 1 000 MHz 3 507540000 CHz 39 99 dBn 3 4490 GHz 3 4500 GHz 3 4500 GHz 3 4900 GHz 3 4910 GHz 3 4950 GHz 3 5300 GHz 31 28 dB 37 12 dB 18 63 dB 7 421 dB 18 48 dB 26 89 dB 3 4450 GHz 3 4490 GHz 3 4500 GHz 3 4900 GHz 3 4910 GHz 3 4910 GHz 3 4950 GHz Freq Offse

Band77-Part27 40MHz DFT s OFDM SCS30kHz BPSK RB1 105 CH633334

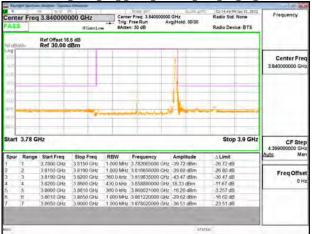


Band77-Part27\_40MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_105\_CH635332

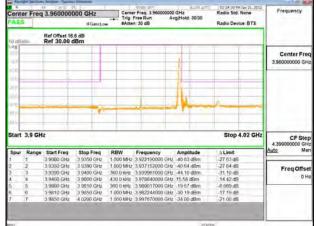




Band77-Part27\_40MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_105\_CH656000



Band77-Part27\_40MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_105\_CH664000



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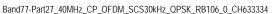
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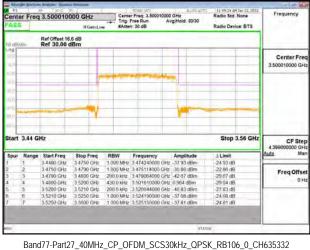
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Band77-Part27\_40MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB106\_0\_CH631334

Cent		3.470010	000 GHz	Trig:	Free Run n: 30 dB		41 PK 4010	Radio Std: None Radio Device: BT3	Frequency
	Ref Offset 16.6 dB dB/div. Ref 30.00 dBm								
10.0									Center Freq 3.470010000 GHz
100		-	- (		and the second second	Sec.			
20.0-									
-	_	-			-	-	-		~
1010 -			1						-
Start	3.41 G	Hz		_	_	-		Stop 3.53 G	Hz CF Step
Spur	Range	Start Freq	Stop Freq	RBW	Frequency		nplitude	ALimit	Auto Man
1	1	3.4100 GHz	3.4450 GHz		3.4448000001			-25.76 dB	
2	2	3.4450 GHz	3 4490 GHz		3 448754000 1			-21.85 dB	FregOffset
3	3	3 4490 GHz	3 4500 GHz		3.450004000			-24.29 dB	0 Hz
4	4	3 4500 GHz	3 4900 GHz	430 0 kHz	3 463810000 (	342 0 1	20 dBm	-29 28 dB	0 Hz
5	5	3 4900 GHz	3.4910 GHz		3.490048000			-27 10 dB	
6	6	3.4910 GHz	3.4950 GHz		3.494206000			-22.91 dB	
7	7	3 4950 GHz	3.5300 GHz	3 000 MHz	3 495570000	342 -34	3 64 dBm	-25 64 dB	





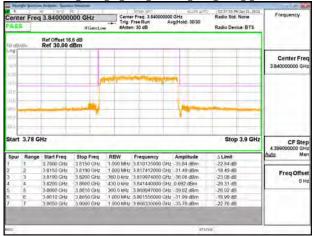
Band77-Part27\_40MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB106\_0\_CH635332

Cent		3.529980			GHz giHold: 30/30	11:12:41 A43an 72, 2012 Radio Std: None	Frequency	
-			FGencLo	A BADR	1: 30 dB		Radio Device: BTS	
to de	div.	Ref Offset 16 Ref 30.00 (						
rold [	_			1				Center Free
-0.0				-				3.529980000 GHz
nin					a la secolaria			0.012200000 0114
100				100	THE PARTY OF			
20.0		1						
mb.								
and a				_				
101/1		and the second division of the second divisio				-	Concernance of the local division of the loc	
03.9								
Start	3.47 G	Hz	_				Stop 3.59 GHz	CF Step 4 39900000 GH3
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ALimit	Auto Mar
1	1	3 4700 GHz	3.5050 GHz	1.000 MHz	3.504210000 GHz	-37.71 dBm	-24.71 dB	
2	2	3.5050 GHz	3.5090 GHz		3 505060000 GHz		-72.90 dB	FregOffset
3	3	3.5090 GHz	3.5100 GHz		3.509978000 GHz		-26.10 dB	OH
4	'4	3 5100 GHz	3 5500 GHz		3.538820000 GHz		-30 04 dB	011
5	5	3 5500 GHz	3.5510 GHz		3.550770000 GHz		-27 60 dB	
6	6	3.5510 GHz	3.5550 GHz		3 552012000 GHz		-21.56 dB	
7	1	3 5550 GHz	3.5900 GHz	1 000 MPHz	3 568490000 GHz	-38.54 dBm	-25.54 dB	





Band77-Part27\_40MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB106\_0\_CH656000







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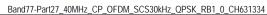
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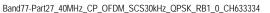
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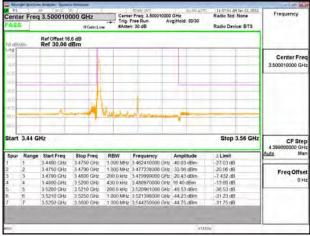
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Cente		3.470010	000 GHz FGainLos	Trip:	Free Run Ar n: 30 dB	GHz vg[Hold: 30/30	Radio Device: BTS	Frequency
10 dB)	div.	Ref Offset 16 Ref 30.00 d						
100 -			ł					Center Freq 3.470010000 GHz
1000								
20.0 - 0.00 -				_				
100			-1	eli-s	which have			
Start	3.41 G	Hz	_	1			Stop 3.53 GHz	CF Step 4.39900000 GHz
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	A Limit	Auto Man
1	1	3.4100 GHz	3.4450 GHz	1.000 MHz	3.432270008 GHz	-40.27 dBm	-27.27.dB	
2	2	3.4450 GHz	3 4490 GHz		3 448754000 GHz		-18.83 dB	Freq Offsel
3	3	3 4490 GHz	3 4500 GHz		3.449960000 GHz		-11,39 dB	0 Ha
4	'4	3 4500 GHz	3 4900 GHz		3 450930000 GHz		-15.34.dB	0 143
5	5	3 4900 GHz	3.4910 GHz		3.490298000 GHz		-37 19 dB	-
6	6	3 4910 GHz	3.4950 GHz		3 492418000 GHz		-31 21 dB	
7	7	3 4950 GHz	3.5300 GHz	1 000 MHz	3 496690000 GHz	-45 19 dBm	-32 19 dB	
a.	_		_			STAT	16	

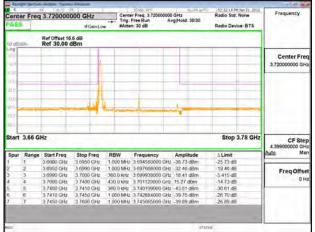




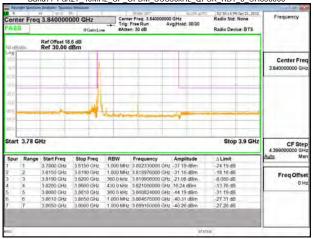
Band77-Part27\_40MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_0\_CH635332

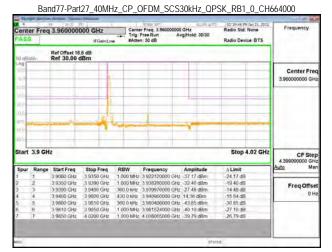
	1.0	3.529980	R. L		95466 (MT) er Freg: 3.52998000	4.1PK	Radio	1.3% 44 Jan 32, 2012 Std: None	Frequency
PASS			FGainLo		Free Run A In: 30 dB	vgiHold: 30/30	Radio	Device: BTS	1.27
10 dBA		Ref Offset 16 Ref 30.00 (							
100	_							1	Center Freq
12.0		-	1	-		-	_	-	3.529980000 GH
000-	-	-		-	_	-	_	-	
100	_	-				-	_	-	
22,0 -		-		-	-		-	-	
310-						_	-	-	
400		1	-	6.6					
STO						-			
035									
Start	3.47 G	Hz			-		S	top 3.59 GHz	CF Step 4 39900000 GH
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	AL	mit	Auto Man
1	1	3 4700 GHz	3.5050 GHz		3.492240000 GH		-24 9		
5	2	3.5050 GHz	3 5090 GHz		3 508968000 GH		-19.4		Freq Offset
3	3	3.5090 GHz	3.5100 GHz		3.509956000 GR		-9.15		0 Hz
4	4	3 5100 GHz	3 5500 GHz		3.511100000 GHz		-15.5		
0	5	3 5500 GHz 3 5510 GHz	3.5510 GHz 3.5550 GHz		3 550954000 GH		-36.3		
7	7	3 5550 GHz	3 5900 GHz		3 578360000 GH		-30 6		
-	-	or accession Carrie	1.1100 014	- 400 mm	and an				
							TATUS		

Band77-Part27\_40MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_0\_CH648000



Band77-Part27 40MHz CP OFDM SCS30kHz QPSK RB1 0 CH656000





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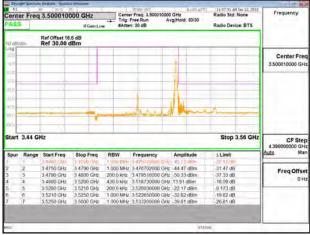
1	No.134,Wu Kung Road, New	Taipei Industrial Park, Wuku District, New Taipei City	, Taiwan/新北市五股區新北產業園區五工路 134 號
	t (886-2) 2299-3279	f (886-2) 2298-0488	www.sgs.com.tw

# Report No.: ER/2021/C0138 Page: 99 of 172

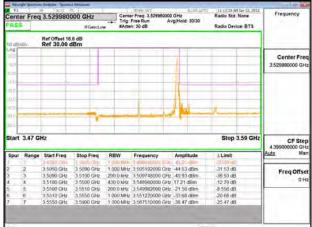
Band77-Part27\_40MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_105\_CH631334

#1	an Francis	2 470040	000 000	Can	Seven INT 410140100 111-03-59 AM Jan 22, 20 Center Freg: 3,470010000 GHz Radio Std: None					Frequency
PASS		3.470010000 0H2			Free Run en: 30 dB	old: 30/30	Radio Sto: None Radio Device: BTS			
10 dB)	div.	Ref Offset 16 Ref 30.00 d								
203 - 203 -						1				Center Freq 3.470010000 GHz
0,00 10,00 20,0								-	_	
666-	-				1				-	
100			1	-	. وي ال	الإسما	-			
Start	3,41 G	Hz			_		-	Stop 3.5	3 GHz	CF Step 4 39900000 GH
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Ar	nplitude	ALimit		Auto Mar
1	1	3 4100 (201	3 #450 (124)		ii (3 4 100 milws			1-27 29 26		
5	2	3.4450 GHz	3 4490 GHz		z 3445654000			-31.30 dB		Freq Offsel
3	3	3 4490 GHz	3 4500 GHŁ		3.449345000			-37.10 dB		OH
4	'4	3 4500 GHz	3 4900 GHz		3 488970000			-16 76 dB		0 143
5	5	3 4900 GHz	3.4910 GHz		3.490039000			-11.71 /dB		
6	6	3.4910 GHz	3.4950 GHz		2 3 491434000			19.92 dB	_	
7	1	3.4950 GHz	3.5300 GHz	1 000 MP	z 3.507680000	GHt -37	60 dBm	-24.80 dB		
-							STAT	-		

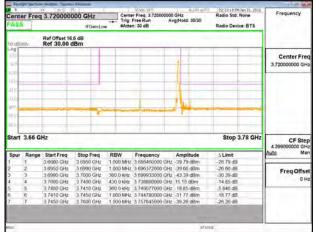




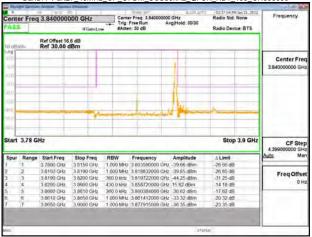
Band77-Part27\_40MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_105\_CH635332



Band77-Part27\_40MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_105\_CH648000



Band77-Part27\_40MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_105\_CH656000





Radio Std. None Radio Device: BTS		Free Run Av	Trig:		3.9600000		PASS
							to all
	1						10.0 -
							000
	1	-				-	20,0
							0.00
			-				610
							1015
Stop 4.02 GHz					z	3.9 GH	Start
A Limit	Amplitude	Frequency	RBW	Stop Freq	Start Freq	Range	Spur
						1	1
							2
							3
-12 61 dB				3.9600 GHz 3.9810 GHz	3 9400 GHz 3 9800 GHz		4
-3.302 UD	10 DO 08971			3 9810 GHz	3 9800 GHz 3 9810 GHz	6	0
-20 07 dB	-33 07 dEm						
	Radio Device 875  Radio Device 875  Stop 4.02 GHz  Automit 27.99 dB 27.65 dB -31.59 dB -32.61 dB	Andie Device: BTS           Radie Device: BTS           Stop 4.02 GHz           Amplitude         A Limit:           40.99 GHm         -27.99 dB           40.55 GBm         -27.55 dB           44.35 dBm         -31.55 dB           17.39 dBm         -14.281 dB	Free Run 1: 30 dB         Arg Hold: 30:30         Radio Device: BTS           Radio Device: BTS         Stop 4.02 GHz         Stop 4.02 GHz           Frequency         Anglitude 4:039 GHz         3 Limit 3 53330000 GHz 4:039 GHz         3 Limit 3 53330000 GHz 4:035 GHz           S 30094000 GHz 4:035 GHz         3 27 65 dB         3 27 65 dB         3 53990000 GHz 4:05 SB           S 39990000 GHz 4:05 SB         3 73 56 dB         3 73 56 dB         3 73 56 dB	Trig: Free Run State:: 30 dB         ArgiHeld:: 80:00         Radio Device: 8 TS           Figure Run State:: 30 dB         Radio Device: 8 TS         Radio Device: 8 TS           State:: 30 dB         State:: 30 dB         Radio Device: 8 TS           State:: 30 dB         Radio Device: 8 TS         State:: 30 dB           Radio:: 30 dB         Radio Device: 8 TS         State:: 30 dB           RBW         Frequency         Angelitude         3 Limit           1:000 Mitr; 39:0300000 GB; 4:03 9:08 dB         27.39 dB         27.39 dB           3:000 Mitr; 39:039:0000 GB; 4:05 State:: 72.56 dB         30.35 dB         30.35 dB           3:000 Mitr; 39:039:0000 GB; 4:13 55 dB         31.35 dB         32.16 dB	Stop Freq         RBW         Frequency         Angitude         Augitude         Augitude <t< td=""><td>Start Freq         Stop Freq         RBW         Frequency         Amplifueld         3020           Start Freq         Stop Freq         RBW         Frequency         Amplifueld         A Limit           39000 GHz         39050 GHz         1000 MHz         393030000 GHz         A Limit         22 Get B           39000 GHz         39050 GHz         3900 GHz</td></t<> <td>Ref Officet (86 dB)         Trig. Free Kun         Avg/Hold. 3000           Radio Device: 8T5         Radio Device: 8T5           Ref Officet (86 dB)         Ref 30,000 dBm   3.9 GHz Stop Free Stop Stop</td>	Start Freq         Stop Freq         RBW         Frequency         Amplifueld         3020           Start Freq         Stop Freq         RBW         Frequency         Amplifueld         A Limit           39000 GHz         39050 GHz         1000 MHz         393030000 GHz         A Limit         22 Get B           39000 GHz         39050 GHz         3900 GHz	Ref Officet (86 dB)         Trig. Free Kun         Avg/Hold. 3000           Radio Device: 8T5         Radio Device: 8T5           Ref Officet (86 dB)         Ref 30,000 dBm   3.9 GHz Stop Free Stop

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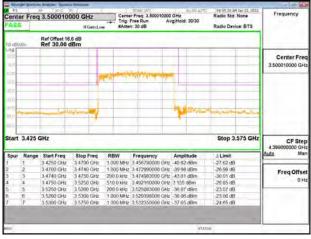
# Report No.: ER/2021/C0138 Page: 100 of 172



#### Band77-Part27\_50MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB128\_0\_CH631668

Center Freq 3.475020000 GHz				Trig:	Center Freq: 3,475020000 GHz Trig: Free Run Avg Hold: 30/30 #Atten: 30 dB			Radio Std: None Radio Device BTS		Frequency
	-	Ref Offset 16	IFGenLo	- FADE	n: 30 GB	-		Radio Liev	08.015	
10 dB	div.	Ref 30.00 (							_	
10.0										Center Free 3.475020000 GH:
000				-	WHITTHAT					
20		1				1				
310-				-		1				
100						1	14.00	man		
105			2							
Start	3,4 GH	z		_	-		_	Stop	3.55 GHz	CF Step 4.39900000 GH
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Ampli	tude	ALimit		Auto Mar
1	1	3 4000 GHz	3.4450 GHz	1.000 MHz	3.442050000 GHL	-39.64	dBm	-26.64 dB		
5	2	3.4450 GHz	3 4490 GHz		3 448312000 GH			-26.57 dB		Freq Offsel
3	3	3 4490 GHz	3 4500 GHz		3.449202000 GRI			-29.83 dB		0 Hz
4	4	3 4500 GHz	3 5000 GHz		3 481070000 GHz			-27 62 dB		011
5	5	3 5000 GHz	3.5010 GHz		3.500417000 GHz			-23.77 dB		
6	6	3 5010 GHz	3 5050 GHz		3 502648000 GHb			-21.20 dB		
7	7	3 5050 GHz	3.5500 GHz	3 000 MHz	3.505200000 GH	-36.25	dBm	-23.25 dB	-	
						_	STAT	s		

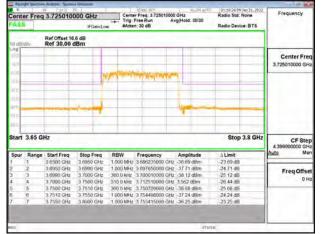
Band77-Part27 50MHz DFT s OFDM SCS30kHz BPSK RB128 0 CH633334



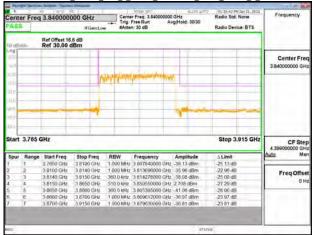
Band77-Part27\_50MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB128\_0\_CH635000

Frequency	Radio Std: None Radio Device: BTS	41194 4010 12 told: 30/30	Freq: 3.525000000 ( ree Run Avg : 30 dB	Trig: I	000 GHz	3.5250000		Cent
						Ref Offset 16 Ref 30.00 c		10 dB)
Center Free 3.525000000 GH								103 103
	_		and the hard and	(Indexed)	_	1		uch me
								- 616 450
							ter	1010 1019
CF Step 4 39900000 GH	Stop 3.6 GHz	-		-		iz	3.45 GH	Start
Auto Mar	ALimit	mplitude	Frequency	RBW	Stop Freg	Start Freg	Range	Spur
	-27.13 dB	0 13 dEm	3 491940000 GHz	1.000 MHz	3.4950 GHz	3 4500 GHz		1
Eren Office	-26.00 dB	9 00 dEm	3 498516000 GHz	1 000 MHz	3.4990 GHz	3 4950 GHz	2	2
FreqOffset	-29.71 dB	2.71 dBm	3.499997000 GHz	200.0 RHz	3.5000 GHz	3 4990 GHz	3	3
OH	-27.82.dB	163 dBm	3.537400000 GHz :	510 0 kHz	3 5500 GHz	3 5000 GHz		4
-	-26.11.dB		3.550402000 GHz		3.5510 GHz	3 5500 GHz		5
	-20.51 dB		3 554076000 GHz		3.5550 GHz	3.5510 GHz		6
	-22 70 dB	5 70 dBm	3.555270000 GHz	1 000 MP42	3 6000 GH2	3 5550 GHz	7	7

Band77-Part27\_50MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB128\_0\_CH648334



Band77-Part27\_50MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB128\_0\_CH656000



Band77-Part27\_50MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB128\_0\_CH663666 Radio Std: None ter Freq 3.954990000 GHz 000 GHz Radio Device: BTS Ref Offset 16.6 dE Ref 30.00 dBm Center Fre 1.9 Stop 4.03 GHz

4.399000000 GHz					_			-
Auto Man	ALimit	Amplitude	Frequency	RBW	Stop Freq	Start Freq	Range	Spur
	-26.58 dB	-39 58 dBm	3 885660000 GHz	1.000 MHz	3.9250 GHz	3 8800 GHz	1	1
FregOffset	-26.01 dB	-39.01 dBm	3 928686000 GHz	1 000 MHz	3 9290 GHz	3 9250 GHz	2	2
	-28 33 dB	-41.33 dBm	3 929949000 GHz	360.0 RHz	3.9300 GHz	3 9290 GHz	3	3
0 Hz	-28.73 dB	1 272 dBm	3 932940000 GHz	5100 kHz	3.9800 GHz	3 9300 GHz	4	4
	-27 21 dB	40.21 dBm	3 960331000 GHz	360 0 kHz	3.9810 GHz	3 9600 GHz	5	5
	-24.14 dB	-37 14 dBm	3 984266000 GHz	1 000 MHz	3.9850 GHz	3 9810 GHz	6	6
	-24 78 dB	-37 78 dBm	3 999885000 GHz	1 000 MHz	4.0300 GHz	3 9850 GHz	7	7

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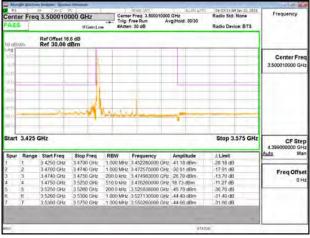
# Report No.: ER/2021/C0138 Page: 101 of 172

### Band77-Part27\_50MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_0\_CH631668

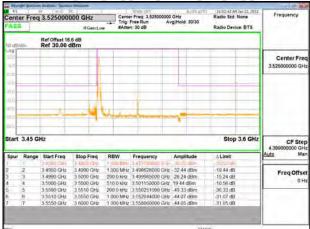
S

	an Frank	2 471020	000 000	10	Center Fred: 3,475020000 GHz			Radio Std: Non	
PAS		req 3.475020000 GHz			ig: Free Run Isten: 30 dB		old: 30/30	Radio Device: E	
10 dB	div.	Ref Offset 16 Ref 30.00							
ang 200	_							1	Center Free
10.5		-							3.475020000 GHz
LED-									
22.0		1			-				
35.6		-			-	-	-		
420-		- A	-	View	a diama		-		
10.9									
Start	tart 3.4 GHz Stop 3.55 GHz								GHz CF Step
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Ar	nplitude	ALimit	Auto Man
1	1	4000 (2011	3 #450 (124)	11000	0H1 3 471500000	ER.	124 dem	1-20124 dB	
2	2	3.4450 GHz	3 4490 GHz	1 000 N	Hz 3 447284000	GHz -34	30 (Emi	-21.30 dB	FregOffset
3	3	3 4490 GHz	3 4500 GHz	200.0 8	Hz 3.449918000	GR2 -25	5 97 dBm	12.97 dB	
4	4	3 4500 GHz	3 5000 GHz		Hz 3.451170000			-15.31.dB	0 Hz
6	5	3 5000 GHz	3.5010 GHz	200 0 k	Hz 3.500320000	GHz 44	0.05 dBm	-37.05.dB	
5	6	3 5010 GHz	3 5050 GHz		Hz 3 503984000			-31.41 dB	
9 6		3 5050 GHz	3 5500 GHz	1 000 N	Hz 3.548310000	GHz 45	5 06 dBm	-32.06 dB	
6 7	7	3 50 30 GHz	3.5500 GP2						
2 6 7	7	3.5050 Grg	3 3300 642						-

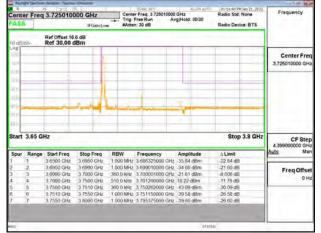
Band77-Part27 50MHz DFT s OFDM SCS30kHz BPSK RB1 0 CH633334



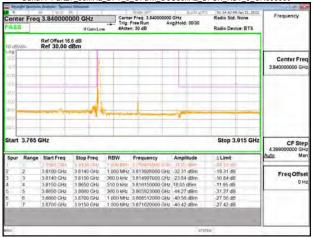
Band77-Part27\_50MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_0\_CH635000



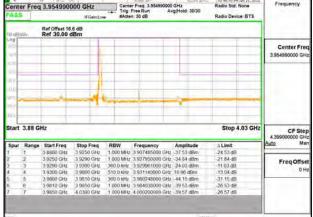




Band77-Part27\_50MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_0\_CH656000



Band77-Part27\_50MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_0\_CH663666 Radio Std: None er Freq 3.954990000 GHz 000 GHz Frequ



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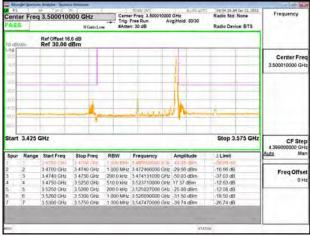
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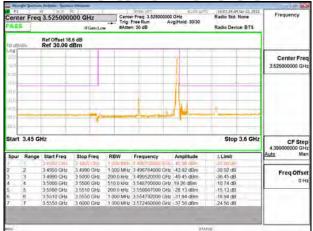
Band77-Part27\_50MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_132\_CH631668

Cente	er Freq	3.475020	000 GHz	Cent	Center Freq: 3.475020000 GHz Radio Std: None Trig: Free Run Avg Hold: 30/30			Frequency
PASS		IFGeinLow			n: 30 dB	Avginola: 30/30	Radio Device: BTS	
til dB	div.	Ref Offset 16 Ref 30.00 d						
40.0 -						1		Center Freq 3.475020000 GHz
unin-		-			-			
20.0 00.0						h		
STO -					And	A March		Hz
Start	3.4 GH						Stop 3.55 GHz	
otart	3,4 90	*					atop 3.35 Ghz	4.399000000 GHz
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	A Limit	Auto Man
1	1	3 4000 GHz	3.4450 GHz	1.000 MHz	3.423420008 G	Hz 44.96 dEm	-31.96 dB	
2	2	3.4450 GHz	3 4490 GHz		3 447788000 G		-31,48 dB	FregOffset
3	3	3 4490 GHz	3 4500 GHz	200.0 RHz	3.449414000 G		37.34 dB	0 Hz
4	'4	3 4500 GHz	3 5000 GHz		3.498770000 G		-11.51 dB	0 142
5	5	3 5000 GHz	3.5010 GHz		3.500081000 G		-13.09 dB	
6	6	3 5010 GHz	3 5050 GHz		3 502236000 G		-18.51 dB	
7	7	3 5050 GHz	3.5500 GHz	3 000 MPG	3.522570000 G	tz -38.95 dBm	-25.95 dB	
-						STAT	16	

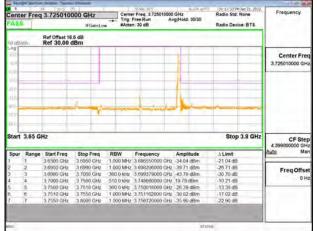
Band77-Part27 50MHz DFT s OFDM SCS30kHz BPSK RB1 132 CH633334



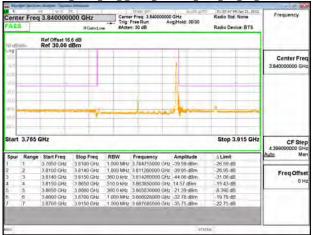
Band77-Part27\_50MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_132\_CH635000







Band77-Part27 50MHz DFT s OFDM SCS30kHz BPSK RB1 132 CH656000



Band77-Part27\_50MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_132\_CH663666

Cente		3.954990	FGainton	Trip	Free Run Av	GHz giHold: 30/30	Radio Std: None Radio Device: BTS	Frequency	
10 dB)	div.	Ref Offset 16 Ref 30.00 (	.6 dB						
10.0 10.0						1		Center Free 3.954990000 GH	
1000					-	-			
20,0 00.0						1			
sio-			1			1 pm			
Start	3.88 G	Hz					Stop 4.03 GHz	-	
	0.000			-			stop neo sin	CF Ster 4.399000000 GH	
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	A Limit	Auto Ma	
1	1	3 8800 GHz	3.9250 GHz		3.917520000 GHz		-27.27 dB		
2	2	3.9250 GHz	3.9290 GHz		3 926282000 GHz		-27 28 dB	Freq Offse	
3	3	3 9290 GHz	3.9300 GH#		3.929381000 GHz		-31.33 dB	OH	
4	'4	3 9300 GHz	3.9800 GHz		3.978840000 GHz		-12.86 dB	0.	
5	5	3 9600 GHz	3.9810 GHz		3 980014000 GHz		-9:391 dB		
6	6	3 9810 GHz	3 9850 GHz		3 980990000 GHz		-23.21 dB		
7	7	3 9850 GHz	4.0300 GHz	1 000 MHz	4 002360000 GHz	-36 13 dBm	-23 13 dB		

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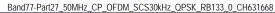
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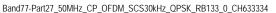
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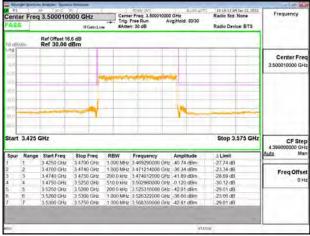
SGS Taiwan Ltd

# Report No.: ER/2021/C0138 Page: 103 of 172



Cent		3.475020		Trig:	r Freq: 3.47502 Free Run	0000 GHz AvgiHold	4.1PN 4010	Radio Std		Frequency	
-			FGainth	EACH	n: 30 dB			Radio Dev	ice: BTS		
10 08	div.	Ref Offset 16 Ref 30.00 d									
ing	_			1				1	1	Center Freq	
10.5							-		-	3.475020000 GHz	
nin-	-	-					-	-			
100				All and a	1.000	12.000			-		
22,0		1						-			
0.00		-	- 1	-	-		-	-			
200	-		-		-			-	the second		
1111					-				-		
(0.5)		-									
Start	3.4 GH	2						Stop	3.55 GHz	CF Step 4 39900000 GHz	
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Ampl	litude	ALimit		Auto Man	
1	1	3 4000 GHz	3 4450 GHz	1.000 MHz	3.443220008	GH2 -38 25	5-dBm	-25 25 dB			
2	2	3.4450 GHz	3 4490 GHz	1 000 MHz	3 448644000	GHz -37 16	i dElm	-24.16 dB	i i	Freq Offset	
3	3	3 4490 GHz	3 4500 GHz		3.449977000			-28.84 dE		OHz	
4	4	3 4500 GHz	3 5000 GHz		3 498170000			-31.53 dB		0 Hz	
5	5	3 5000 GHz	3.5010 GHz	200 0 kHz	3.500097000	GHz -40.45	) dEim	-27.49 dB	1	-	
6	6	3 5010 GHz	3 5050 GHz	1 000 MHz	3 504888000	GHz -37 02	2 dElm	-24.02 dB	1		
7	7	3 5050 GHz	3 5500 GHz	1 000 MPHz	3.507450000	GHz - 39 03	) dBm	-26.03 dE			
							STAT				

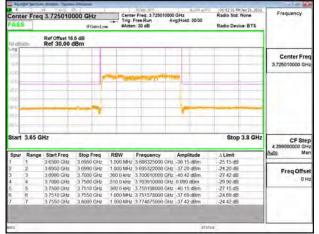




Band77-Part27\_50MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB133\_0\_CH635000

PASS	_	0- (s≤ )	FGaintlo	Trig:	Free Run Av n: 30 dB	GHz g Hold: 30/30	Radio St	r 44 Jan 72, 2022 td: None evice: BTS	Frequency
10 dB)	div.	Ref Offset 16 Ref 30.00 d							
10.0 -									Center Freq 3.525000000 GHz
10.00				net the second	and the second second	4			
22,0		1		-					
- 0.02		-							
510						1			
(0.5		-			-	-			
Start	3.45 G	Hz	_				Sto	op 3.6 GHz	CF Step
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ALImit	E)	Auto Mar
1	1	3.4500 GHz	3.4950 GHz	1.000 MHz	3 494460000 GHz	-38-35-dBm	-25:35 c	18	
2	2	3 4950 GHz	3.4990 GHz		3 497104000 GHz		-24 10 c		Freq Offset
3	3	3 4990 GHz	3.5000 GHz		3.499258000 GHz		-29 84 0		OH
4	4	3.5000 GHz	3 5500 GHz		3.518100000 GHz		-30.52 c		0 H2
5	5	3 5500 GHz	3.5510 GHz		3.550009000 GHz		-26.47 c		
6	6	3.5510 GHz	3.5550 GHz		3 554888000 GHz		-25 00 c		
7	7	3 5550 GHz	3 6000 GHz	3 000 MPHz	3.559500000 GHz	-39.31 dBm	-26 31 c	8	

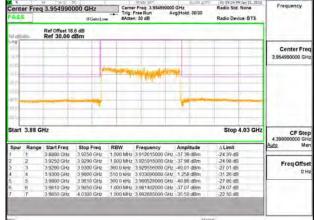




Band77-Part27\_50MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB133\_0\_CH656000







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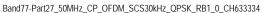
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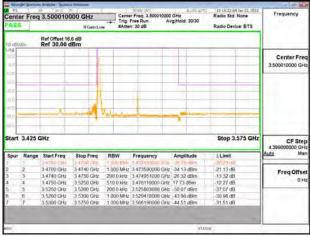
## Report No.: ER/2021/C0138 Page: 104 of 172

### Band77-Part27\_50MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_0\_CH631668

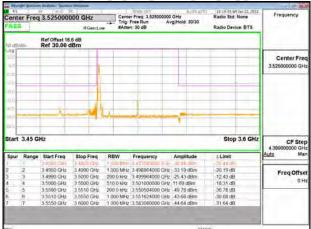
S

41				Carro	Fred: 3.475020000	41124.40	Radio Std: None	Frequency	
PAS		3.475020	FGainto	Trig:		giHold: 30/30	Radio Device: BTS		
10 dB	div.	Ref Offset 16 Ref 30.00 d							
203 10.5			-					Center Free 3.475020000 GH:	
1000									
100 -				and the second	1				
(05)			F	-		-			
Start	3.4 GH	z					Stop 3.55 GH	Z CF Step 4.399000000 GHs	
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	A Limit	Auto Man	
1		3 4000 CHI	3 #450 (1942	110000000	3 471190800 E-1	A S OF STREET	-STIGT DE		
5	2	3.4450 GHz	3 4490 GHz		3 448984000 GHz		-19.14 dB	FregOffset	
3	3	3 4490 GHz	3 4500 GHz		3.449923000 GHz		15.58 dB	0 Ha	
4	4	3 4500 GHz	3 5000 GHz		3 451370000 GHz		-11 69 dB	-	
5	5	3 5000 GHz	3.5010 GHz		3.500025000 GHz		-36.96 dB	-	
0.	6	3 5010 GHz 3 5050 GHz	3 5050 GHz 3 5500 GHz		3 5027 40000 GHz 3 546510000 GHz		-31.46 dB -31.94 dB	-	
/	1	3 5050 GH2	3 5500 GH2	3 000 6042	3.540510000 Griz	-44 94 dem	-31 94 08		

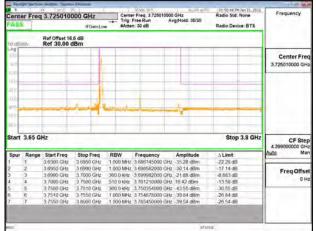




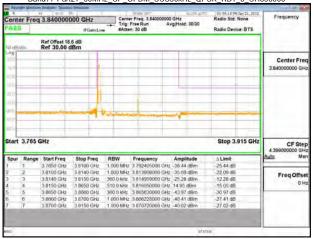
Band77-Part27\_50MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_0\_CH635000



Band77-Part27\_50MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_0\_CH648334



Band77-Part27\_50MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_0\_CH656000







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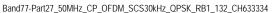
1	No.134,Wu Kung Road, New	Taipei Industrial Park, Wuku District, New Taipei City	, Taiwan/新北市五股區新北產業園區五工路 134 號
	t (886-2) 2299-3279	f (886-2) 2298-0488	www.sgs.com.tw

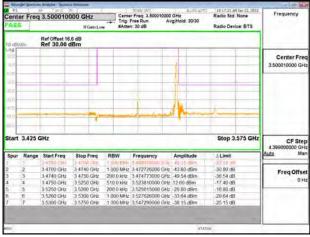
# Report No.: ER/2021/C0138 Page: 105 of 172

### Band77-Part27\_50MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_132\_CH631668

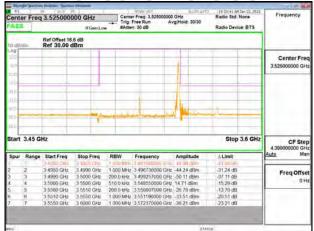
S

Anyo	ght Spythule	n Anniszet - Sevenn	A Designer					10.00	
		3.475020	000 GHz FGainton	Trig:	Free Run Av n: 30 dB	GHz vg[Hold: 30/30	Radio Device: BTS	Frequency	
10 dB)	div.	Ref Offset 16 Ref 30.00 (							
203 - 10.5						1		Center Freq 3.475020000 GHz	
1000		-		-		1			
666						A			
1010					-hinder	× P			
Start	3.4 GH	z		-			Stop 3.55 GHz	CF Step	
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ALImit	Auto Mar	
1		3 4000 (2011	3 #450 (124)		3 4 \$7100000 E-X		(JIII) III) UB		
5	2	3.4450 GHz	3 4490 GHz		3 448720000 GHz		-31 22 d8	FregOffset	
3	3	3 4490 GHz	3.4500 GHz		3.449917000 GHz		-36.71 dB	OH	
4	4	3 4500 GHz	3 5000 GHz		3 498770000 GHz		-12.68 dB	0143	
5	5	3 5000 GHz	3.5010 GHz		3.500044000 GHz		-16.00 dB		
6	6	3 5010 GHz	3 5050 GHz		3 501160000 GHz		.19.46 dB		
7	7	3 5050 GHz	3.5500 GHz	1 000 MP42	3.522300000 GHz	-41.03 dBm	-28 03 dB		
00						SITAS	16		

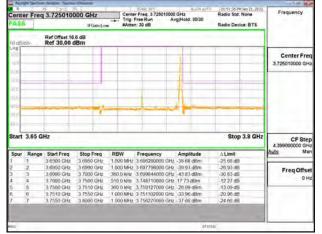




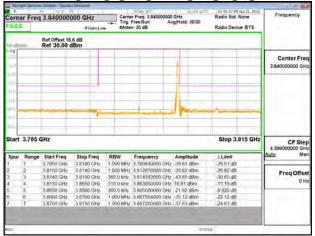
Band77-Part27\_50MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_132\_CH635000



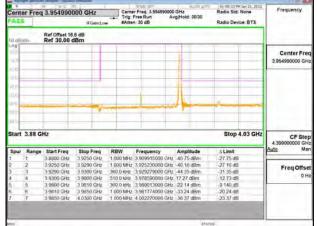




Band77-Part27\_50MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_132\_CH656000



Band77-Part27\_50MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_132\_CH663666



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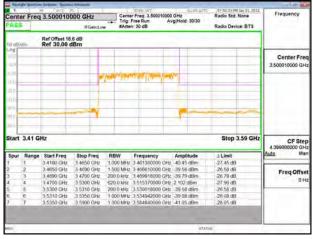
# Report No.: ER/2021/C0138 Page: 106 of 172



#### Band77-Part27\_60MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB162\_0\_CH632000

110 20	07/40 w) PM Jan 21, 2022	4,124,4010	MONRY INT	1	C.I. I	A second	and interconnection	A STATE
Frequency	Center Freq: 3.48000000 GHz Radio Std. None Trig: Free Run Avg/Hold: 30/30				000 GHz	3.4800000		
	Radio Device: BTS		n: 30 dB	#Atte	IFGain:Low			PAS
						Ref Offset 16. Ref 30.00 c		10 dB
Center Freq 3.48000000 GHz								10.0 -
		1	and the second	where proper	X			000
				-		1		22.0
	and a long and				and the second second			200
42 CF Step 4 39900000 GH								and Any
	Stop 3.57 GHz				_	łz	3.39 Gł	Start
Auto Man	ALImit	Amplitude	Frequency	RBW	Stop Freg	Start Freg	Range	Spur
	-26.92 dB	-39.92 dBm	3.441370000 GHz	1.000 MHz	3.4450 GHz	3.3900 GHz	1	1
Freq Offset	-26 48 dE		3 445848000 GHz		3 4490 GHz	3.4450 GHz		2
0 Hz	-27.98 dB		3.449985000 GHz		3 4500 GHz	3 4490 GHz		3
0 113	-27.67.dB		3 453960000 GHz		3 5100 GHz	3 4500 GHz		4
	-25.01 dB		3.510031000 GHz		3.5110 GHz	3 5100 GHz		5
	-22.59 dB		3 512636000 GHz		3 5150 GHz	3 5110 GHz		6
	-27.41 dB	40-41 dBm	3.540630000 GHz	1 000 MHz	3 5700 GHz	3 5150 GHz	1	7
	s	STATU		_	_	_	_	100

Band77-Part27 60MHz DFT s OFDM SCS30kHz BPSK RB162 0 CH633334



Band77-Part27\_60MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB162\_0\_CH634666

Cent		3.519990	000 GHz	Trig:	Freq: 3.519990000 Free Run Av		10/30	Radio Std		Frequency
		Ref Offset 16	.6 dB	EACH.		-	-	Radio Lien		
10 dB	NUN -	Ref 30.00 (	IBM				_	_	-	
10.0							_			Center Free 3.519990000 GH
1000			1		A. MARINE	1	_			
22,0		1		-		-				
- 600	-					13		_		
510						1			1	
			1			1				
1010 (1010	3.43 G	Hz	7			1		Stop	3.61 GHz	
1010 (1010	125.00	Hz Start Freq	Stop Freq	RBW	Frequency	Amplitu	ıde	Stop	3.61 GHz	4.399000000 GHs
Start	125.00		Stop Freq		Frequency 3 dan/follow C /r					4.399000000 GHz
Start	Range 2	Start Freq 3 4850 GHz	3 4890 GHz	1 000 MHz	3 488906000 GHz	41 27 d	Emi	∆ Limit -31 27 de -23 68 de		
Start	Range 2 3	Start Freq 3 4850 GHz 3 4890 GHz	3 4900 GHz 3 4900 GHz 3 4900 GHz	1 000 MHz 200.0 RHz	3 488906000 GHz 3 488906000 GHz 3 489924000 GHz	41 27 di -36 68 di -38 53 di	em Em Em	Δ Limit -23 68 dB -25 53 dB		4.399000000 GHs Auto Man Freq Offset
Start	Range 2 3 4	Start Freq 3 4850 GHz 3 4890 GHz 3 4900 GHz 3 4900 GHz	3 4900 GHz 3 4900 GHz 3 4900 GHz 3 5500 GHz	1 000 MHz 200.0 kHz 620.0 kHz	3 488906000 GHz 3 4889924000 GHz 3 489924000 GHz 3 499470000 GHz	4127 di -36 68 di -38 53 di 2 773 de	Bm Bm Bm	Δ Limit -23 68 dB -25 53 dB -27 23 dB		4.399000000 GH: <u>Auto</u> Mar
Start	Range 2 3 4 5	Start Freq 3 4850 GHz 3 4890 GHz 3 4900 GHz 3 5500 GHz	3 4890 GHz 3 4900 GHz 3 4900 GHz 3 5500 GHz 3 5510 GHz	1 000 MHz 200.0 KHz 620.0 kHz 200.0 kHz	3 488906000 GHz 3 488906000 GHz 3 489924000 GHz 3 499470000 GHz 3 550002000 GHz	41.77 dt -36.68 dt -38.53 dt 2.773 dE -42.05 dt	em Em Em Em	Δ Limit -23 68 dB -25 53 dE -27 23 dB -29.05 dB		4.399000000 GHs Auto Man Freq Offset
Start	Range 2 3 4 5 6	Start Freq 3 4850 GHz 3 4890 GHz 3 4900 GHz 3 5500 GHz 3 5510 GHz	3 4890 GHz 3 4890 GHz 3 4900 GHz 3 5500 GHz 3 5510 GHz 3 5550 GHz	1 000 MHz 200.0 KHz 200.0 KHz 200.0 KHz 1 000 MHz	3 488906000 GHz 3 488906000 GHz 3 489924000 GHz 3 499470000 GHz 3 550002000 GHz 3 554474000 GHz	41 27 di -36 68 di -38 53 di 2 773 de -42 05 di -40 33 di	Bm Bm Bm Bm Bm Bm	Δ Limit -23 68 dB -25 53 dB -27 23 dB -29 05 dB -27 33 dB		4.399000000 GHs Auto Man Freq Offset
Start	Range 2 3 4 5	Start Freq 3 4850 GHz 3 4890 GHz 3 4900 GHz 3 5500 GHz	3 4890 GHz 3 4900 GHz 3 4900 GHz 3 5500 GHz 3 5510 GHz	1 000 MHz 200.0 KHz 200.0 KHz 200.0 KHz 1 000 MHz	3 488906000 GHz 3 488906000 GHz 3 489924000 GHz 3 499470000 GHz 3 550002000 GHz	41 27 di -36 68 di -38 53 di 2 773 de -42 05 di -40 33 di	Bm Bm Bm Bm Bm Bm	Δ Limit -23 68 dB -25 53 dE -27 23 dB -29.05 dB		4.399000000 GH Auto Mar Freq Offse

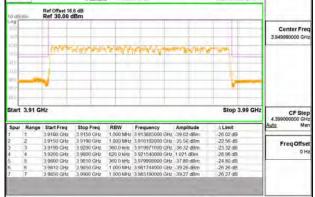
Band77-Part27\_60MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB162\_0\_CH648668

Reven	M Savethile	Annie Som	of Designation					110 00
	r Freq	3.730020	FGento	Trip:	Free Run n: 30 dB	AvgiHold: 30/30	Radio Device: BTS	Frequency
to also	Ωv.	Ref Offset 16 Ref 30.00						
103 -								Center Freq 3.730020000 GHz
		- Mary	and the second			and and	ame	
100-	_	1			-	_		
51.0		v					-	
Start	3.69 G	Hz		-			Stop 3.77 GHz	CF Step
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	A Limit	Auto Mar
1	1	3 6900 GHz	3.6950 GHz	1.000 MHz	3 691850000 G	Hz -38 80 dBm	-25.80 dB	
2	2	3,6950 GHz	3 6990 GHz	1 000 MHz	3 695504000 G	Hz 38 97 dBm	-25.97 dB	FregOffset
	3	3 6990 GHz	3.7000 GHz		3.700017000 G		-21.02 dB	OH
	4	3.7000 GHz	3 7600 GHz		3.723180000 G		-26.81 dB	0 Hs
	5	3 7000 GHz	3.7610 GHz		3 760089000 G		-24 24 dB	
	6	3.7610 GHz	3.7650 GHz		3 764160000 G		-25.85 dB	
7	7	3 7650 GHz	3 7700 GHz	1 000 MHz	3 768080000 G	Hz -38 12 dBm	-25 12 dB	1
60	_	_	_	_			ATUS	

Band77-Part27 60MHz DFT s OFDM SCS30kHz BPSK RB162 0 CH656000







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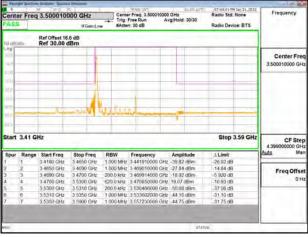
# Report No.: ER/2021/C0138 Page: 107 of 172

### Band77-Part27\_60MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_0\_CH632000

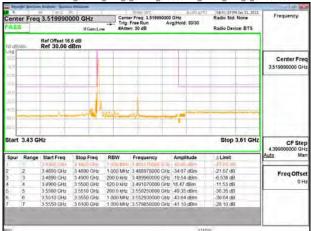
S

Real	W SHATTING	Annon-Saon	or Pression		MOUNT INT	4.1914/10	07/08/57 PM Jan 21, 2012	110 00
Cent		req 3.48000000 GHz			r Freq: 3.48000000		Radio Std: None Radio Device: BTS	Frequency
	Ref Offset 16.5 dB dBialv Ref 30.00 dBm							
10.0								Center Freq 3.480000000 GHz
100 - 100 - 200 -		-						
616 170				linter	1			
Start	3.39 G	Hz					Stop 3.57 GHz	CF Step
Sour	Danas	Start Freg	Stop Freg	RBW	Frequency	Amplitude	ALimit	4.399000000 GHz Auto Man
1 Parts	t	3 3900 GHz	3.4450 GHz		3.443790000 GH		27.60.49	
2	2	3 4450 GHz	3 4490 GHz		3 448732000 GH		-17.34 dB	
3	3	3 4490 GHz	3 4500 GHz		3.449995000 GR		-4.271 dB	Freq Offse
4	4	3 4500 GHz	3 5100 GHz	620 0 kHz	3.450900000 GH	18.61 dBm	-11.29 dB	0 H
5	5	3 5100 GHz	3 5110 GHz	200 0 kHz	3.510193000 GH	50 00 dBm	-37.00 dB	-
6	6	3 5110 GHz	3 5150 GHz	1 000 MHz	3 513588000 GH	44 08 dBm	-31.08 dB	
7	17	3 5150 GHz	3 5700 GHz	3 000 MPHz	3.567250000 GH	44 78 dBm	-31 78 dB	
80						SITAS	tus:	

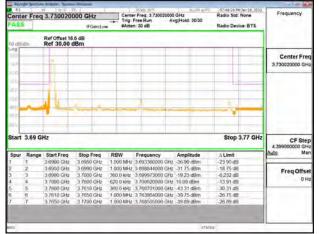
Band77-Part27\_60MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_0\_CH633334



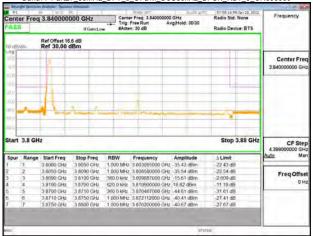
Band77-Part27\_60MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_0\_CH634666



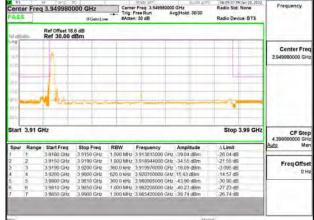
Band77-Part27\_60MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_0\_CH648668



Band77-Part27\_60MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_0\_CH656000



Band77-Part27\_60MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_0\_CH663332



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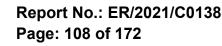
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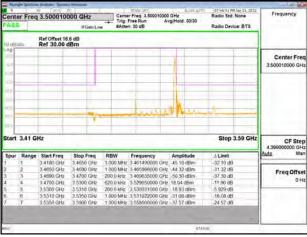
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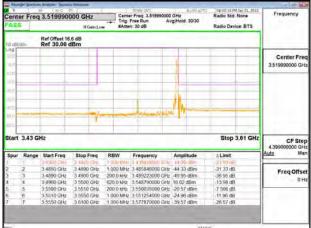
Band77-Part27\_60MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_161\_CH632000

in Pass	W SHOW	nde ser San	in Printeen	_	4766-167		_		07.39(4) PM Jan 21.	110
Cent		req 3.48000000 GHz			Center Freq: 3.48000000 GHz Trig: Free Run AvgiHold: 30/30 #Atten: 30 dB				Radio Std. None Radio Device: BT	Frequency
10 48	div-	Ref Offset 16 Ref 30.00 d								
10.0										Center Free 3.480000000 GH
10										
- 600 - 420 			-	-	In	1	1-	_	-	1
Start	3.39 G	Hz	-1'						Stop 3,57 0	GHz CF Ster 4 39900000 GH
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	113	Amplitude		ALimit	Auto Ma
1	1	3.3900 GHz	3.4450 GHz	1.000 M	12 3 397810000	GH2	44 90 dEin	1	-31.90 dB	
2	2	3.4450 GHz	3 4490 GHz		tz 3 446264008				-31 31 dB	FregOffse
3	3	3 4490 GHz	3 4500 GHz	200.0 RH					-36 88 dB	OH
4	4	3 4500 GHz	3 5100 GHz	620 0 kH	2 3.508740000	GHz 1	772 dBm		-12.28 dB	014
5	5	3 5100 GHz	3.5110 GHz		2 3.510039000				-7.150 dB	
6	6	3 5110 GHz	3 5150 GHz		12 3 511276000				-19 02 dB	
7	7	3 5150 GHz	3 5700 GHz	1.000 MP	42 3.538100000	GHz -	39.62 dBn		-26.62 dB	
NOG .	_					-	-	STATE	5	

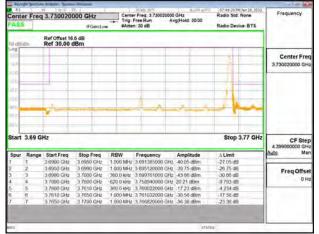
Band77-Part27 60MHz DFT s OFDM SCS30kHz BPSK RB1 161 CH633334



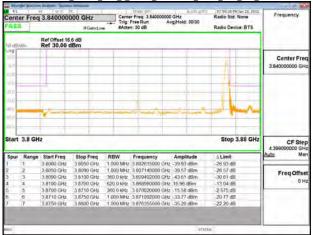
Band77-Part27\_60MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_161\_CH634666



Band77-Part27\_60MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_161\_CH648668



Band77-Part27\_60MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_161\_CH656000



Band77-Part27\_60MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_161\_CH663332

nter Fr	ter Freq 3.949980000 GHz		Trig:	er Freq: 3.949980000 Free Run Av n: 30 dB	GHz giHold: 30/30	Radio Std: None Radio Device: B1		
Ref Offset 16.6 dB Id dEadly. Ref 30,00 dBm								
0			-			A	Center Freq 3.949980000 GHz	
4					_			
0 0								
-	-					and the second	-	
a 								
art 3.91	1 GHz	_	_		_	Stop 3.99	GHz CF Step	
ur Rar	nge Start Freq	Stop Freq	RBW	Frequency	Amplitude	A Limit	Auto Mar	
1	3.9100 GHz	3.9150 GHz	1.000 MHz	3 910300000 GHz	-40.39 dBm	-27.39 dB		
2	3.9150 GHz	3.9190 GHz		3 918284000 GHz		-27 27 dB	FregOffsel	
3	3 9190 GHz	3.9200 GH±		3.919701000 GRz		-31.49 dB	OH	
4	3 9200 GHz	3.9800 GHz		3.978960000 GHz		-11.82 dB	U Ha	
5	3 9600 GHz	3.9810 GHz		3 980066000 GHz		-1 836 dB		
6	3 9810 GHz	3.9850 GHz		3 980964000 GHz		-20 04 dB		
1	3 9850 GHz	3.9900 GHz	1 000 MHz	3 989625000 GHz	-37 98 dBm	-24.96 dB		
					etat			

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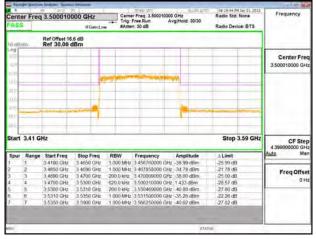
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# Report No.: ER/2021/C0138 Page: 109 of 172

### Band77-Part27\_60MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB162\_0\_CH632000

10100	08:18:48 PM Jan 21, 2012	ALIPN AUTO		Mouse Mer		(Project)	Annual Succession	IN SAVES AN	<b>Rept</b>				
Frequency	Radio Device: BTS	reer Freq: 3.480000000 GHz g: Free Run Avg[Hold: 30/30 men: 30 dB			Trig:	Center Freq 3.480000000 GHz							
	Ref Offset 16.6 dB												
Center Fre 3.48000000 GP									Leg an				
		9	TT	a de la composition de la comp	-	-			2000 - 1111 -				
									100				
								-	10.0				
CF Step	Stop 3.57 GHz		-		_		łz	3.39 G	L				
Auto Ma	A Limit	mplitude	10	Frequency	RBW	Stop Freq	Start Freq	Range	Spur				
	-26 68 dB	9.68 dEm	GH2 -	3.443900000	1.000 MHz	3.4450 GHz	3 3900 GHz	1	1				
Freq Offs	-23 24 dB	6.24 dElm	GHz -	3 445968000	1 000 MHz	3 4490 GHz	3.4450 GHz	2	2				
	-25.88 dB	8.88 dBm	GHz	3.449932000	200.0 RHz	3 4500 GHz	3 4490 GHz	3	3				
01	-31.14.dB	141 dBm	GHz -	3.500580000	620 0 kHz	3 5100 GHz	3 4500 GHz	4	4				
-	-27.29 dB	0.29 dBm	GHz	3.510890000	200 0 kHz	3.5110 GHz	3 5100 GHz	5	5				
	-20 87 dB	3.87 dBm	GH2	3 511656000	1 000 MHz	3 5150 GHz	3 5110 GHz	6	6				
	-24 57 dB	7.57 dBm	GHz -	3.515880000	3 000 MP4z	3 5700 GHz	3 5150 GHz	7	7				
		STAT	1										

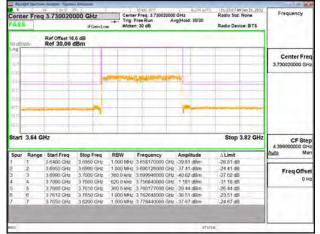
### Band77-Part27\_60MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB162\_0\_CH633334



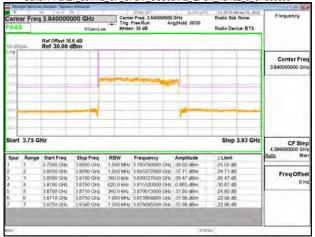
Band77-Part27\_60MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB162\_0\_CH634666

519990000 GHz Center Freq: 3.51990000 GHz Radio Sto Frig: Free Run AvgiHold: 3030 #Gent.ee	
ef Offset 16.6 dB	
	Center Free 3.519990000 GHz
P	
Stop	3.61 GHz CF Step 4.399000000 GHz
tart Freg Stop Freg RBW Frequency Amplitude A Limit	Auto Man
4300 GHz 3.4850 GHz 1.000 MHz 3.483780000 GHz -36.22 dBm -23.22 dB	
4850 GHz 3 4890 GHz 1 000 MHz 3 485594000 GHz -31 72 dBm -18 72 dB	
4890 GHz 3 4900 GHz 200 0 kHz 3 489917000 GHz -40 28 dBm 27 28 dE	
4900 GHz 3 5500 GHz 620 0 kHz 3 501030000 GHz 1 309 dBm - 28 69 dt	3
5500 GHz 3 5510 GHz 200 0 kHz 3 550102000 GHz 38 70 dBm -25 70 dE	
5510 GHz 3 5550 GHz 1 000 MHz 3 552610000 GHz -33 26 dBm - 20 26 dB 5550 GHz 3 6100 GHz 1 000 MHz 3 556400000 GHz -36 01 dBm - 25 01 dB	

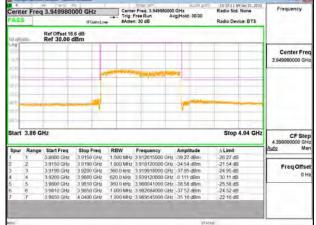
Band77-Part27\_60MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB162\_0\_CH648668



Band77-Part27\_60MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB162\_0\_CH656000



Band77-Part27\_60MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB162\_0\_CH663332



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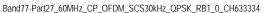
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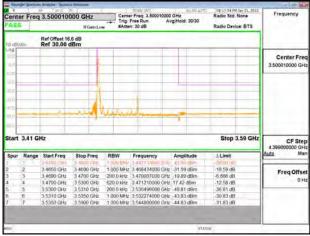
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# Report No.: ER/2021/C0138 Page: 110 of 172

### Band77-Part27\_60MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_0\_CH632000

<b>B</b> . B.		(E)(未来)/	N. 1.		MENANG UNT		UP14010	08:15:50 PM Jan 2		Frequency
PASS		req 3.480000000 GHz			Center Freq: 3.48000000 GHz Trig: Free Run Avg Hold: 30/30 #Atten: 30 dB			Radio Std: Non Radio Device: B		Frequency
10 dB)	elle-	Ref Offset 16 Ref 30.00 d								
40.0 -									3.4	Center Fred
1000 100		-							_	
10	_					-			-	
100	_			lipha	red and the second	-				
Start	3.39 G	Hz	_	-		-	-	Stop 3.57		CF Step 4 39900000 GHz
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplit	tude	A Limit	Auto	
1	1	3 3900 GHz	3.4450 GHz	1.000 MHz	3.421680000 GH	-40.91	dBm	-27.91 dB		
2	2	3.4450 GHz	3 4490 GHz		3 448564000 GH			-18.52 dB		Freq Offse
3	3	3 4490 GHz	3 4500 GHz		3.449988000 GR			-6.575 dB		OH
4	4	3 4500 GHz	3 5100 GHz		3.450780000 GH			-14 18 dB		411
5	5	3 5100 GHz	3.5110 GHz		3.510386000 GH			-36 89 dB		
6	6	3 5110 GHz	3 5150 GHz		3 511452000 GHz			-31 16 dB		
1	1	3 5150 GHz	3 5700 GHz	3 000 MH2	3.552070000 GH	-44 69	deimi	-31 69 dB		
							STAT	-		_

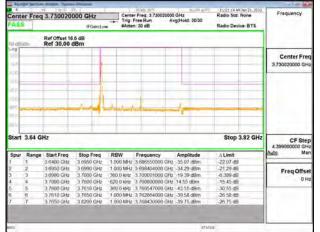




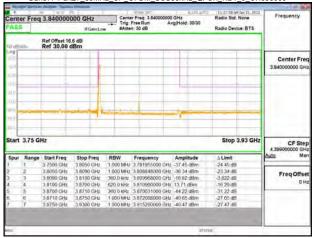
Band77-Part27\_60MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_0\_CH634666

Cente	1	3.519990	R. D		Freq 3.519990000	GHz	Radio Std: None	022 Frequency
PASS			FGaircle		n: 30 dB	diupia: soiso	Radio Device: BTS	
10 dB)	div.	Ref Offset 16 Ref 30.00 (						
2ng	_							Cuntur
10.0								Center Free 3,519990000 GH
nin								3.513350000 GH.
LED								
20.0						1.2		
			1					
0.00								
400-	_		-	11112-14	when	-	-	
510						1		-
(0);-				-				-
Start	3.43 G	Hz CF Step						
Spur	Range	Start Freg	Stop Freq	RBW	Frequency	Amplitude	ALimit	Auto Mar
1	1	3 #300 CM	3 4607 (24)	1 (100 001)	3 40400000 E-Jr	42.99 dem	-39/98 dE	
2	2	3 4850 GHz	3 4890 GHz		3 488622000 GHz		-13 43 dB	FregOffse
3	3	3 4890 GHz	3 4900 GHŁ		3.489966000 GHz		-10.23 dB	OH
4	'4	3 4900 GHz	3 5500 GHz		3 491130000 GHz		-10 27 dB	-
5	5	3 5500 GHz	3.5510 GHz		3.550854000 GHz		-36.33 dB	
6	6	3.5510 GHz	3 5550 GHz		3 554078000 GHz		-31.07 dB	
7	1	3 5550 GHz	3 6100 GHz	3 000 MHz	3.595910000 GHz	-40 97 dBm	-27.97 d8	
-						STAT	<	

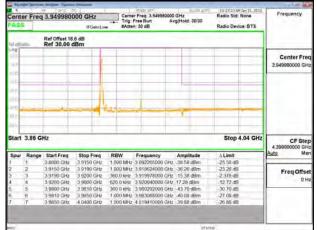
Band77-Part27\_60MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_0\_CH648668



Band77-Part27 60MHz CP OFDM SCS30kHz QPSK RB1 0 CH656000



Band77-Part27\_60MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_0\_CH663332



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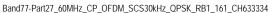
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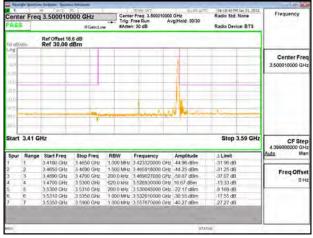
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### Band77-Part27\_60MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_161\_CH632000

Ae,o	give Spectrum	n Anniver - Seven	A Designer									100
Cent		3.480000	000 GHz	-				Hz	411PK 4010	Radio	S7 PH Jan 21, 2012 Std: None Device: BTS	Frequency
10 dB	div.	Ref Offset 16	.6 dB									
2001 								1			-	Center Freq 3.480000000 GHz
100 200			-									
- 610 	_					Leves	.ul	1	i.	i	-	
Start	3.39 G	GHz			Stop 3,57 GHz							CF Step 4.39900000 GH
Spur	Range	Start Freg	Stop Freq	RBW	1	Frequency	11	Ampli	itude	ALIM	nit	Auto Mar
	1	3 3/80 (201	3 #450 (724)	11000	POIL 3	4197000000	- 101-	14 04	dam	14110	E dB	-
2	2	3.4450 GHz	3 4490 GHz	1 000	MHz 3	446212000 0	SHZ -	\$4,01	dBm	-310	t dB	FregOffse
3	3	3 4490 GHz	3 4500 GHz			449660000 0				-36.34		
4	4	3 4500 GHz	3 5100 GHz			508860000 0				-12.6		0 H
5	5	3 5100 GHz	3.5110 GHz	200.0	kHz 3	510021000 0	Hz -	19.47	dBm	-6.472	2 dB	-
6	6	3 5110 GHz	3 5150 GHz			511056000				.17.53		
7	7	3 5150 GHz	3 5700 GHz	1.000	MPHz 3	537770000	Stat 1	39.50	dElm	-26.5	) dB	
80									STAT	1.6		

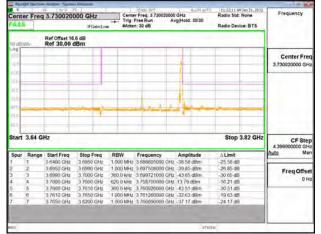




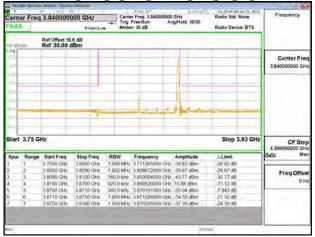
Band77-Part27\_60MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_161\_CH634666

Frequency	Radio Std: None Radio Device BTS	GHz giHold: 30/30	Certs Trip	3.319390000 GHz			Cent	
					6 dB	Ref Offset 16. Ref 30.00 c		10 08
Center Fr 3.519990000 0								1000
	_	1-				-		100
								- 616 (450
			1		1			1015
CF Ste	GHz Stop 3.61 GHz							
Auto Ma	ALimit	Amplitude	Frequency	RBW	Stop Freg	Start Freg	Range	Spur
1	-31.84 dB	44 84 dEm	2 3 483890000 GHz	1.000 MHz	3.4850 GHz	3 4300 GHz	1	1
Freq Offse	-3121dB	44.21 dEm	z 3487454000 GHz	1 000 MHz	3 4890 GHz	3 4850 GHz	2	2
OH	-37.30 dB			200.0 RHz	3 4900 GHz	3 4890 GHz		3
014	-20.57 dB		3.548910000 GHz		3 5500 GHz	3 4900 GHz		4
	-7.974 dB		3.549990000 GHz		3.5510 GHz	3 5500 GHz		5
	-17 04 dB		z 3.551186000 GHz		3 5550 GHz	3.5510 GHz		6
	-25 74 dB	-38 74 dBm	z 3.577870000 GHz	1 000 MPU	3 6100 GHz	3 5550 GHz	1	7
		STAT						

Band77-Part27\_60MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_161\_CH648668



Band77-Part27\_60MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_161\_CH656000



Band77-Part27\_60MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_161\_CH663332

Radio Std. None Radio Device: BTS		g: Free Run Av	TI		3.9499800		PASS	
							10 08	
							10.0 -	
	1						1000 -	
		_	-	1	1		20.0	
				-		-	0.00-	
		_	Vinte			-	and a	
							1015	
Start 3.86 GHz Stop 4.04 GHz								
A Limit	Amplitude	Frequency	eq RBW	Stop Freq	Start Freq	Range	Spur	
-27.60 dB				3.9150 GHz	3.8600 GHz	1	1	
							5	
							3	
							4	
-0.194 dB		2 3 98098000 GHz		3.9810 GHz	3 9800 GHz 3 9810 GHz	6	9	
				0.0000 tanz	2 20 10 UPU	0		
	Radis Device BTS Stop 4.04 GHz	Radie Device: 8TS Radie Device: 8TS Stop 4.04 CHz Amplitude 40 60 dBm 27 00 dB 27 00 dB 41 22 dB 13 4 dBm - 15.59 dB	Free Run         Angliteld: 3000         Radio Device: BTS           Ram: 30 dB         Reside Device: BTS         Reside Device: BTS           Stop 4.04 CH2         Stop 4.04 CH2         Stop 4.04 CH2           Frequency         Amplitude         ALImit           H2 3015/2000 CH2: 49.29 dB Em         -27.00 dB         -27.00 dB           F12 3015/2000 CH2: 49.29 dB Em         -32.28 dB         -39.29 dB           F2 30196/2000 CH2: 44.22 dBm         -32.28 dB         -32.29 dB           F2 30196/2000 CH2: 44.24 dBm         -12.29 dB         -32.29 dB           F2 30196/2000 CH2: 44.24 dBm         -12.29 dB         -12.29 dB           F3 3070000 CH2: 41.14 dBm         -14.29 dB         -14.29 dB	Trig. Free Fun Adden: 30 dB         Avg/Hold: 30:30         Radio Device: 8TS           Radio Device: 8TS         Radio Device: 8TS         Radio Device: 8TS           Stop 4.04 CH2         Stop 4.04 CH2         Radio Device: 8TS           BW         Frequency         Amplitude         1 Limit           1000 Her/: 3853455000 CH2; 40 00 cBm         270 0 dB         200 Mer; 3919574000 CH2; 422 cBm         372 2dB           200 Mer; 3919574000 CH2; 412 2dBm         372 2dB         372 2dB         372 2dB	Stop         Frequency         Amplitude         3020           Stop         Frequency         Amplitude         August           Stop         Frequency         Amplitude         August           Stop         Frequency         Amplitude         August           Stop         Frequency         Amplitude         August           Stop         Frequency         Amplitude         ALImit           39150 Getu         1000 MHz         383450000 Getu         -0.60 Getm         -2.00 GB           39100 Getu         1000 MHz         39157000 GHz         -4.422 GBm         -3.92 GB         -3.920 GB           3900 Getu         200 SHz         39157000 GHz         -4.422 GBm         -3.92 GB         -3.920 GB	Start Freq         Stop Freq         RBW         Frequency         Amplifield         Stop Freq         RBW         Frequency         Amplifield         Stop Freq         Amplifield         Augite Device         BT3           39900 GHz         29150 GHz         1000 MHz         391554000 GHz         2980 GHz         39100 GHz         3900 GHz         3900 GHz         3900 GHz         3900 GHz         3900 GHz         3910 GH	Ref Office 158.6         Addition         Array Hold: 3000         Radio Device: BTS           Ref Office 158.6         Addition: 20 dB         Ref 30.00 dBm         Ref 30.00 dBm         Ref 30.00 dBm           3.86 GHz         Stop 1.04         Stop 1.04         Stop 1.04         Stop 1.04         Stop 1.04           3.86 GHz         Stop Freq.         RDW         Frequency         Amplitude         A Limit           3.3900 GHz         3150 GHz         1.000 MHz         Stop 5.000 GHz         A Limit         A Limit           3.3900 GHz         3150 GHz         1.000 MHz         Stop 5.000 GHz         A Limit         A Limit           3.3910 GHz         3200 GHz         2000 GHz         3910 GHz         3200 GHz         3010 GHz         3122 GB           3.3910 GHz         32020 GHz         2000 GHz         3120 GHz         3122 GB         312 GB	

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1	No.134,Wu Kung Road, New	Taipei Industrial Park, Wuku District, New Taipei City	, Taiwan/新北市五股區新北產業園區五工路 134 號
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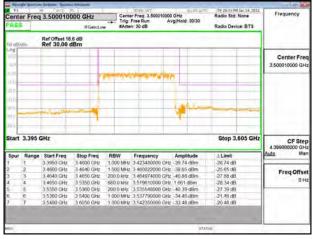
# Report No.: ER/2021/C0138 Page: 112 of 172



#### Band77-Part27\_70MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB180\_0\_CH632334

	or From	3.485010	000 00-	Carte	Fred: 3.485010000	GHT	05:09:08 PM Jan 34, 2022 Radio Std: None	Frequency
PAS	and the second se	3.403010	IFGein1o	Trig:		giHold: 30/30	Radio Device: BTS	
10 dB	MDv.	Ref Offset 16 Ref 30.00 d						
10.0 10.0								Center Freq 3.485010000 GHz
11.11			1	w/man	A Share			
21,0		1		-				
20.0			-			Lat.		
an c				_		The second		Cr step
101			_		-			
Start	3.38 G	Hz	-	_			Stop 3.59 GHz	
Start	1.00	Hz Start Freg	Stop Freg	RBW	Frequency	Amplitude	Stop 3.59 GHz	4.399000000 GHz
	1.00		Stop Freq 3 4450 GHz		Frequency 3.441760008 GHz		and the second	4.399000000 GHz
	1.00	Start Freq		1.000 MHz		-38.56 dBm	A Limit	4.399000000 GHz Auto Man
	1.00	Start Freq 3 3800 GHz	3.4450 GHz	1.000 MHz 1.000 MHz	3.441760008 GHz	-38.56 dBm -34.48 dBm	A Limit -25.56 dB	4.399000000 GHz Auto Man Freq Offset
	Range 1 2	Start Freq 3 3800 GHz 3 4450 GHz	3 4450 GHz 3 4490 GHz	1.000 MHz 1.000 MHz 200.0 RHz	3 441760000 GHz 3 448766000 GHz	-38.56 dBm -34.48 dBm -37.76 dBm	A Limit -25.56 dB -21.48 dB	4.399000000 GHz Auto Man Freq Offset
	Range 1 2 3	Start Freq 3 3800 GHz 3 4450 GHz 3 4490 GHz	3 4450 GHz 3 4490 GHz 3 4500 GHz	1.000 MHz 1.000 MHz 200.0 KHz 680 0 kHz	3.441760000 GHz 3.448766000 GHz 3.449383000 GHz	-38.56 dBm -34.48 dBm -37.76 dBm 2.813 dBm	A Limit -25.56 dB -21.48 dB -24.76 dB	4.399000000 GHz Auto Man Freq Offset
	Range 1 2 3 4 5 6	Start Freq 3 3800 GHz 3 4450 GHz 3 4490 GHz 3 4500 GHz	3 4450 GHz 3 4490 GHz 3 4500 GHz 3 5200 GHz	1.000 MHz 1.000 MHz 200.0 kHz 680.0 kHz 200.0 kHz	3 441760000 GHz 3 448766000 GHz 3 449383000 GHz 3 475280000 GHz	-38.56 dBm -34.48 dBm -37.76 dBm 2.813 dBm -39.48 dBm	A Limit -25 56 dB -21 48 dB -24 76 dB -27 19 dB	4.399000000 GHz
	Range 1 2 3 4 5	Start Freq 3 3800 GHz 3 4450 GHz 3 4490 GHz 3 4500 GHz 3 5200 GHz	3 4450 GHz 3 4490 GHz 3 4500 GHz 3 5200 GHz 3 5210 GHz	1.000 MHz 1.000 MHz 200.0 kHz 680.0 kHz 200.0 kHz 1.000 MHz	3 441780008 GHz 3 448766008 GHz 3 449383008 GHz 3 475280008 GHz 3 520954008 GHz	-38 56 dBm -34 48 dBm -37 76 dBm 2 813 dBm -39 48 dBm -35 84 dBm	A Limit -25 56 dB -21 48 dB -24 76 dB -27 19 dB -26 48 dB	4 39900000 GHs Auto Mar
	Range 1 2 3 4 5 6	Start Freq 3 3800 GHz 3 4450 GHz 3 4490 GHz 3 4500 GHz 3 5200 GHz 3 5210 GHz	3 4450 GHz 3 4490 GHz 3 4500 GHz 3 5200 GHz 3 5210 GHz 3 5250 GHz	1.000 MHz 1.000 MHz 200.0 kHz 680.0 kHz 200.0 kHz 1.000 MHz	3 441760000 GHz 3 448766000 GHz 3 449383000 GHz 3 475280000 GHz 3 5219954000 GHz 3 521994000 GHz	-38 56 dBm -34 48 dBm -37 76 dBm 2 813 dBm -39 48 dBm -35 84 dBm	A Limit -25 56 dB -21 48 dB -24 76 dB -27 19 dB -26 48 dB -22 84 dB	4.399000000 GHz Auto Man Freq Offset

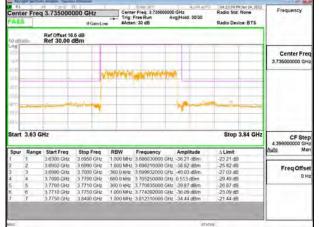
Band77-Part27 70MHz DFT s OFDM SCS30kHz BPSK RB180 0 CH633334



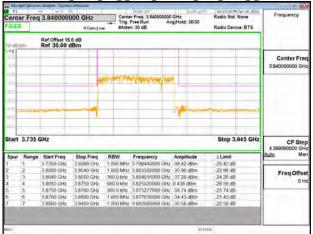
Band77-Part27\_70MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB180\_0\_CH634332

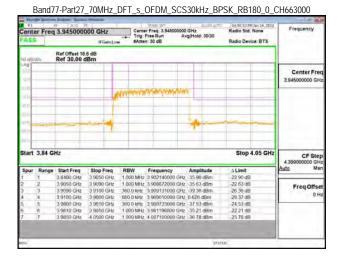
Frequency	Radio Std: None	4.1 PK 4010	GHz g Hold		: Free	-e- Trip:	00 GHz	3.5149800		
	Radio Device: BTS			B	teri: 3	#Acte	FGento			PASS
								Ref Offset 16. Ref 30.00 c		to also
Center Free										P.0.0
3.514980000 GH					_	-				-0.0
0.014.00000 011				-	~	man				nim
										100-
			-							22.0
										and a
	and the second s		In				-			-
			-				Color State		-	me
										10.0
CF Step 4.399000000 GH	Stop 3.62 GHz	1 GHz Stop 3.62 GHz								
Auto Mar	ALimit	itude	Ampli	uency	En	RBW	Stop Freq	Start Freg	Range	Spur
			2105	260008 GHz	1. 10.4				Contraction of the local division of the loc	1
	-21.65 dB	deimi	-34,05		12:13:4	1.000 MHz	3.4750 GHz	3.4100 GHz	1	
FreqOffse	-18.10 dB	dBm	31 10	980000 GHz	tz 34	1 000 MHz	3 4790 GHz	3 4750 GHz	2	2
FreqOffse	-18.10 dB -27.10 dB	dBm dBm	-31 10 -40 10	980008 GHz 214008 GHz	tz 34 z 34	1 000 MHz 200.0 RHz	3 4790 GHz 3 4800 GHz	3 4750 GHz 3 4790 GHz	3	2 3
Freq Offse	-18 10 dB -27 10 dB -24 64 dB	dBm dBm dBm	-31 10 -40 10 5 363	980000 GHz 214000 GHz 8670000 GHz	tz 34 z 34 z 34	1 000 MHz 200.0 RHz 680 0 NHz	3 4790 GHz 3 4800 GHz 3 5500 GHz	3 4750 GHz 3 4790 GHz 3 4800 GHz	3 4	2 3 4
	-18.10 dB -27.10 dB -24.64 dB -26.29 dB	dBm dBm dBm dBm	-31 10 -40 10 5 363 -39 29	980000 GHz 214000 GHz 8670000 GHz 987000 GHz	iz 34 z 34 z 34 z 35	1 000 MHz 200.0 RHz 680 0 MHz 200.0 KHz	3 4790 GHz 3 4800 GHz 3 5500 GHz 3 5510 GHz	3 4750 GHz 3 4790 GHz 3 4000 GHz 3 5500 GHz	3 4 5	2 3 4 5
	-18 10 dB -27 10 dB -24 64 dB	dBm dBm dBm dBm dBm	.31 10 .40 10 5.363 .39 29 .37 23	980000 GHz 214000 GHz 8670000 GHz	tz 34 z 34 z 34 z 35 tz 35	1 000 MHz 200.0 RHz 680.0 kHz 200.0 kHz 1 000 MHz	3 4790 GHz 3 4800 GHz 3 5500 GHz	3 4750 GHz 3 4790 GHz 3 4800 GHz	3 4	2 3 4 5 6

Band77-Part27\_70MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB180\_0\_CH649000



Band77-Part27\_70MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB180\_0\_CH656000





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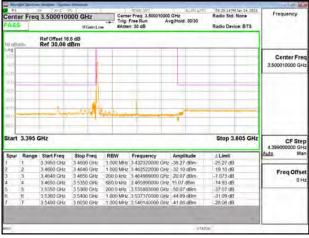
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Band77-Part27\_70MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_0\_CH632334

Cente		3.485010	000 GHz	Trip	er Freq: 3.48501 Free Run		411PX 4010	Radio Std.		Frequency
10 dB	div	Ref Offset 16	.6 dB							
203										Center Freq 3.485010000 GHz
100							-		_	
- 6100 - 4200 - 7500	_	_	mud	110m		_				
Start	3.38 G	H7						Stop	3.59 GHz	
	1.10		_	_	_	_			3.39 GHZ	CF Step 4.399000000 GHs Auto Man
Spur	Range	Start Freq	Stop Freq	RBW	Frequency		plitude	ALimit	_	CMLV Milli
2	2	3 4450 GHz	3 4490 GHz		3 448658000 1			-17.93 dB		
3	3	3 4490 GHz	3 4500 GHz	200.0 RHz	3.4500100004	342 217	74 dBm	-8.740 dB		FreqOffset
4	4	3 4500 GHz	3 5200 GHz	680 0 kHz	3 451060000 (	347 16 4	1 dBm	-13.59 dB		0 H3
5	5	3 5200 GHz	3.5210 GHz	200 0 kHz	3.520603000	GHz -50 1	17 dBm	-37.17 dB		-
6	6	3 5210 GHz	3 5250 GHz	1 000 MH	3 521386000	3Hz 44 3	36 dBm	-31.36 dB		
7	7	3 5250 GHz	3.5900 GHz	1 000 MP4	3.587410000	SH2 -44 6	5 dBm	-31.65 dB	-	
							STATE	-	-	

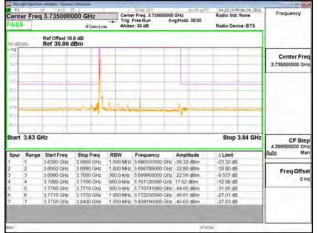
Band77-Part27\_70MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_0\_CH633334



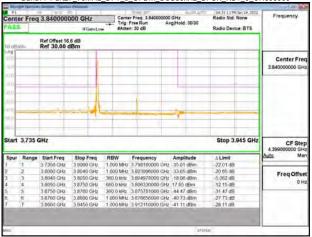
Band77-Part27\_70MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_0\_CH634332

Frequency	Std: None		GHz giHold: 30/30		Trip:		3.5149800		
	Device: BTS	Radio Dev		n: 30 dB	#Atte	#GentLo			PASS
							Ref Offset 16 Ref 30.00 c		to also
Contraction		1						_	-og
Center Free 3.514980000 GH									
3.514980000 GH									
									10 D
			-			X			
						1			22.0
						1		-	316-
			-	1	D.J.	- Aller	the second se		100
			-			11			Sic -
	-	-					-		101
4.399000000 GHz	GHz Stop 3.62 GHz							3.41 G	Start
									-
	mit	Alimit	Amplitude	Frequency	RBW	Stop Ered	Start Eren	Ranne	
4.399000000 GH		A Limit	Amplitude	Frequency 3.447160000 GHz	RBW 1.000 MHz	Stop Freq 3.4750 GHz	Start Freq 3.4100 GHz	Range	Spur
4.39900000 GH <u>Auto</u> Mar	6 dB		-36.96 dBm		1.000 MHz			Range 1 2	Spur 1 2
4.399000000 GH Auto Mar Freq Offse	6 dB 5 dB 5 dB	-23.96 dE -15.35 dE -10.55 dE	-36.96 dBm -26.35 dBm -23.55 dBm	3 447160000 GHz 3 478528000 GHz 3 479970000 GHz	1.000 MHz 1.000 MHz 200.0 RHz	3.4750 GHz 3.4790 GHz 3.4800 GHz	3.4100 GHz 3.4750 GHz 3.4790 GHz	1 2 3	5pur 1 2 3
4.39900000 GH <u>Auto</u> Mar	6 dB 5 dB 5 dB 2 dB	-23.96 dE -15.35 dE -10.55 dE -10.92 dE	-36.96.dBm -28.35.dBm -23.55.dBm 19.08.dBm	3 447160000 GHz 3 478528000 GHz 3 479970000 GHz 3 481170000 GHz	1.000 MHz 1.000 MHz 200.0 RHz 680 0 MHz	3 4750 GHz 3 4790 GHz 3 4800 GHz 3 5500 GHz	3.4100 GHz 3.4750 GHz 3.4790 GHz 3.4000 GHz	1 2 3 4	5pur 1 2 3 4
4.399000000 GH Auto Mar Freq Offse	6 dB 5 dB 5 dB 2 dB 7 dB	-23 96 dE -15 35 dE -10 55 dE -10 92 dE -35 87 dE	26.96 dBm 29.35 dBm 23.55 dBm 19.08 dBm 48.87 dBm	3 447160008 GHz 3 478528008 GHz 3 479970000 GHz 3 481170000 GHz 3 550477000 GHz	1.000 MHz 1.000 MHz 200.0 RHz 680 0 MHz 200.0 RHz	3 4750 GHz 3 4790 GHz 3 4800 GHz 3 5500 GHz 3 5510 GHz	3.4100 GHz 3.4750 GHz 3.4790 GHz 3.4000 GHz 3.5500 GHz	1 2 3 4 5	5pur 1 2 3 4 5
4.399000000 GH Auto Mar Freq Offse	6 dB 5 d6 5 dB 2 dB 7 dB 9 dB	-23.96 dE -15.35 dE -10.55 dE -10.92 dE	26.96 dBm 29.35 dBm 23.55 dBm 19.08 dBm 48.87 dBm 42.39 dBm	3 447160000 GHz 3 478528000 GHz 3 479970000 GHz 3 481170000 GHz	1.000 MHz 1.000 MHz 200.0 kHz 680 0 kHz 200.0 kHz 1.000 MHz	3 4750 GHz 3 4790 GHz 3 4800 GHz 3 5500 GHz	3.4100 GHz 3.4750 GHz 3.4790 GHz 3.4000 GHz	1 2 3 4	5pur 1 2 3 4 5 6

Band77-Part27\_70MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_0\_CH649000



Band77-Part27\_70MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_0\_CH656000



Band77-Part27\_70MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_0\_CH663000

PASS		3.945000	000 GHz IFGeircLo	Trig:	r Freq: 3.94500000 Free Run A n: 30 dB	o GHz vg Hold: 30/30	Radio Std: None Radio Device: BTS	Frequency
ti dB	div.	Ref Offset 16 Ref 30.00 (						
10.0 -	6							Center Fred 3.945000000 GHz
10.00								
22.0								
-		1		human				
1010 1015					-			
Start	3.84 G	Hz	_	_			Stop 4.05 GH	CF Step 4.39900000 GH
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ALimit	Auto Mar
1	1	3.8400 GHz	3.9050 GHz		3.877310000 GHz		-22.55 dB	
5	2	3.9050 GHz	3.9090 GHz		3.907712000 GHz		-21.79 dB	Freq Offsel
3	3	3 9090 GHz	3.9100 GHz		3.909993000 GHz		-4 599 dB	0 Ha
4	'4	3 9100 GHz	3.9600 GHz		3.911330000 GHz		-15 25 dB	
5	5	3 9600 GHz	3.9810 GHz		3 950326000 GHz		-30.81.dB	
6	6	3 9810 GHz	3 9850 GHz				-26 72 dB	
/	1	3 9850 GHz	4 0500 GH2	1 000 MHz	3 992540000 GHL	-40.23 dElm	-27 23 dB	
<ul> <li>3 9810 GHz</li> <li>3 9850 GHz</li> <li>4 0500 GHz</li> <li>1 000 MHz</li> <li>3 9850 GHz</li> <li>4 0500 GHz</li> <li>1 000 MHz</li> <li>3 982540000 GHz</li> </ul>							-27 23 dB	

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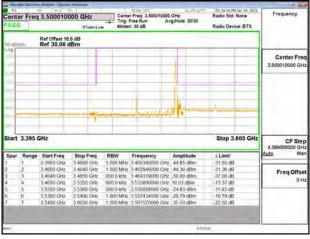
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# Report No.: ER/2021/C0138 Page: 114 of 172

Band77-Part27\_70MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_188\_CH632334

	Center Freq: 3.485010000 GHz Trig: Free Run Avg Hold: 30/30 #Atten: 30 dB			req 3.485010000 GHz #GainLow			PASS		
Ref Offset 16.6 dB Ref 30.00 dBm									
							10.0 10.0		
					-		0,00 11.0		
1		-					01A-		
				1			010		
Stop 3.59 GHz					Hz	3.38 G	Start		
ALimit	mplitude	equency	RBW	Stop Freg	Start Freg	Range	Spur		
-32 07 dB	5 07 dBm	95220000 GHz	000 MHz	3.4450 GHz	3 3800 GHz	1	1		
-31 52 dB	1 52 dBm	40786000 GHz	000 MHz	3 4490 GHz	3.4450 GHz	2	2		
-37,11 dB	0 11 dBm	49193000 GHz	2HR 0.00	3.4500 GHz	3 4490 GHz	3	3		
-11.60 dB	40 dBm	18890000 GHz	200.08	3 5200 GHz	3 4500 GHz	4	4		
-10.15.dB	3 15 dBm	20092000 GHz	00.0 kHz	3.5210 GHz	3 5200 GHz		5		
							6		
-22.49 dB	5.49 dBm	52700000 GHz	000 MPHz	3.5900 GHz	3 5250 GHz	1	7		
GHz	Δ Limit -32 07 dB -31 52 dB -37 11 dB -10 0 dB -10 15 dB -17 64 dB -22 49 dB	Stop 3.59 Amplitude 4 Limit 45 07 dBm 32 07 dB 44 52 dBm 31 52 dB 50 11 dB 32 07 dB 14 52 dBm 31 52 dB 23 19 dBm -10 19 dB 23 19 dBm -10 19 dB 23 64 dBm -17 54 dB	Stop 3.59           Frequency         Amplitude         4 Limit           3952250001 GHz         60 7 dBm         32 07 dB           3461760001 GHz         60 7 dBm         31 57 dB           3461760000 GHz         50 17 dBm         31 57 dB           346180000 GHz         60 11 dBm         31 57 dB           315800000 GHz         50 11 dBm         31 67 dB           315800000 GHz         50 11 dBm         116 0 dB           3159224000 UHz         36 4 dBm         10 11 dB           3159224000 UHz         36 4 dBm         17 14 dB           3552700000 GHz         35 49 dBm         22 49 dB	Stop 3.59           RBW         Frequency         Amplitude         3 Umit           1000 MHz 3 95220000 GHz 4507 dBm         -32 07 dB         -32 07 dB           1000 MHz 4478000 GHz 4507 dBm         -32 07 dB         -32 07 dB           200 Hz 54 4478000 GHz 450 dBm         -37 11 dB         -37 11 dB           200 Hz 54 4518000 GHz 450 dBm         -10 15 dB         -10 15 dB           200 Hz 54 4524000 GHz 450 dBm         -10 15 dB         -10 15 dB           1 000 MHz 3 552700000 GHz -35 49 dBm         -22 49 dB	Stop Fine         RBW         Frequency         Amplitude         3 Limit           3 4450 GHz         1.000 Mb/2 3 395220000 GHz 4 50 7 dBm         32 07 dB         32 07 dB           3 4450 GHz         1.000 Mb/2 3 39522000 GHz 4 50 7 dBm         32 07 dB         32 07 dB           3 4500 GHz         1.000 Mb/2 3 3449192000 GHz 50 11 dBm         31 7 dB         37 11 dB         37 11 dB           3 5200 GHz         200 0 Hz 51 334092000 GHz 52 50 11 dBm         10 10 dB         37 11 dB         32 11 dBm         10 10 dB           3 5210 GHz         200 0 Hz 51 332009200 GHz 1 23 11 dBm         10 10 dB         32 11 dBm         10 10 dB           3 520 GHz         200 0 Hz 51 332009200 GHz 1 23 14 dBm         10 10 dB         32 520 GHz         32 00 Hz 1 5522700000 GHz         32 4 BB         17 M dB         3 5900 GHz         1000 MHz 1 552700000 GHz         35 40 dBm         22 49 dB         3 5900 GHz         1000 MHz         1552700000 GHz         35 40 dBm         22 49 dB	Az         Stop Freq         RBW         Frequency         Amplitude         A Limit           3 980 044         3 480 044         3 480 044         3 480 044         3 480 044         3 480 044         3 480 044         3 480 044         3 480 044         3 480 044         3 480 044         3 490 044         3 490 044         3 490 044         3 490 044         3 490 044         3 490 044         3 490 044         3 490 044         3 490 044         3 490 044         3 490 044         3 490 044         3 490 044         3 118 05000 044         10 04 044         3 118 05000 044         10 04 014         3 110 0500 044         3 110 0500 044         3 110 045         3 110 045         3 110 045         3 110 045         3 110 045         3 110 045         3 110 045         3 110 044         3 110 045 <td< td=""><td>3.38 GHz         Stop 3.59           Range Start Freq         Stop Freq         RBW         Frequency         Amplitude         3 Limit           1         3.3800 GHz         3.4500 GHz         1.000 MHz         3.95220000 GHz         450 GHz         3.200 GHz         3.500 GHz</td></td<>	3.38 GHz         Stop 3.59           Range Start Freq         Stop Freq         RBW         Frequency         Amplitude         3 Limit           1         3.3800 GHz         3.4500 GHz         1.000 MHz         3.95220000 GHz         450 GHz         3.200 GHz         3.500 GHz		

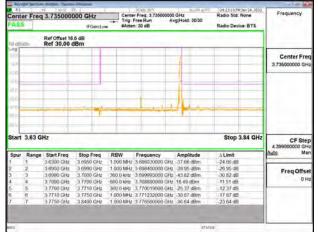
Band77-Part27 70MHz DFT s OFDM SCS30kHz BPSK RB1 188 CH633334



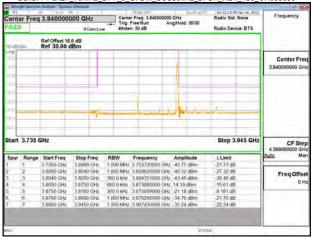
Band77-Part27\_70MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_188\_CH634332

		3.514980		Trig:		GHz giHold: 30/30	Radio Std		Frequency	
PASS			#Gaintlo	- #Atte	n: 30 dB		Radio Dev	ice: BTS		
10 08	div.	Ref Offset 16 Ref 30.00 d								
Ling							1	1	1.	
10.5								-	Center Fred 3.514980000 GHz	
nin-	_	-		-		-	-			
15D		-			-	-		-		
22.0		-		-		-	-			
22.6		-		_	-	1	-			
100			-	-		14				
510	-		1	and the second	1					
035			-		-		-	-		
Start	3.41 G	Hz		-	_	_	Stop	3.62 GHz	CF Step 4 39900000 GH	
Spur	Range	Start Freg	Stop Freg	RBW	Frequency	Amplitude	ALimit		Auto Mar	
1	1	3 4100 CHI	3 47.90 (34)	100000000	3 436570000 E-V	4) ()) dem	-30001 dB		-	
2	2	3 4750 GHz	3 4790 GHz		3 476616000 GHz		-30 02 dB		Freq Offsel	
3	3	3 4790 GHz	3 4800 GHŁ		3.479943000 GRz		-35.37 dB		OH	
4	4	3 4800 GHz	3 5500 GHz		3.548720000 GHz		-16.07 dB		0 143	
5	5	3 5500 GHz	3.5510 GHz		3.550847000 GHz		-16.83.dB			
6	6	3.5510 GHz	3 5550 GHz		3 552856000 GHz		-24 14 dB			
7	1	3 5550 GHz	3 6200 GHz	3.000 MHz	3 582670000 GHz	-35.55 dBm	-22.55 dB	-		
							ATUS			

Band77-Part27\_70MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_188\_CH649000



Band77-Part27\_70MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_188\_CH656000



Band77-Part27\_70MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_188\_CH663000

Cente		3.9450000	IFGeinter	Trig:	er Freq: 3.945000000 Free Run Av m: 30 dB	GHz g Hold: 30/30	Radio Std: None Radio Device: BTS	Frequency
10 dBu	siv.	Ref Offset 16 Ref 30.00 c						
100 -								Center Fred 3.945000000 GHz
uth -		-			-	1	-	
22,0								
and a		-				Ja-		
1015						-		
	3.84 G	Hz					Stop 4.05 GH	CF Step
Spur	Range	Start Freg	Stop Freq	RBW	Frequency	Amplitude	A Limit	Auto Mar
1	1	3 8400 GHz	3.9050 GHz	1.000 MHz	3 894210000 GHz	-41 09 dBm	-28.09 dB	
2	2	3.9050 GHz	3.9090 GHz	1 000 MHz	3 905400000 GHz	-40,74 dEm	-27 74 dB	FreqOffse
3	3	3 9090 GHz	3.9100 GHŁ		3.909440000 GHz		-31.65 dB	OH
	4	3 9100 GHz	3.9800 GHz		3.978670000 GHz		-17 95 dB	0143
	5	3 9600 GHz	3.9810 GHz		3 980372000 GHz		-31 28 dB	
	6	3 9810 GHz	3.9850 GHz		3 981006000 GHz		-20 63 dB	
7	7	3 9850 GHz	4 0500 GHz	3 000 MHz	4 012430000 GHz	-36 94 dBm	-23 94 dB	
						-	atis	

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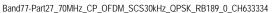
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# Report No.: ER/2021/C0138 Page: 115 of 172

Band77-Part27\_70MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB189\_0\_CH632334

	gen dere sone	Anniter - Second	N I I		ADDRES MITT	4.121.47	07:00:41 PM Jan 34, 2022	10	
Cente		3.485010	000 GHz FGainLow	Trig:	r Freq: 3.4850100 Free Run n: 30 dB	AvgiHold: 30/30	Radio Std: None Radio Device: BTS	Frequency	
10 dB)	div.	Ref Offset 16 Ref 30.00 (							
203 - 10.9 -								Center Freq 3.485010000 GHz	
1000		-	-	-		-			
666									
510						- n			
	3.38 G	Hz		-			Stop 3.59 GHz	CF Step 4.39900000 GHz	
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ALImit	Auto Mar	
1	2	3 4450 GHz	3 4490 GHz		3 448034000 C		24 12 dB		
3	3 4	3 4490 GHz 3 4500 GHz	3 4500 GHz 3 5200 GHz		3.449509000 Gi 3.462610000 Gi		-27.38 dB -26.88 dB	Freq Offsel 0 Hi	
5	5	3 5200 GHz 3 5210 GHz	3 5210 GHz 3 5250 GHz	200.0 kHz	3.520321000 Ge 3.523636000 Ge	Hz -41 19 dBm	-26 15.dB -21.04 dB		
1	1	3 5250 GHz	3 5900 GHz	1 000 MP42	3.535150000 G	rtz -36 94 dBm	-23 94 dB		
						-	MIS .		

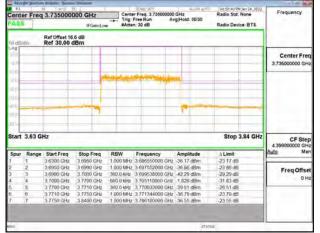




Band77-Part27\_70MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB189\_0\_CH634332

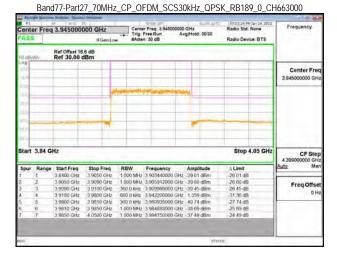
Frequency	52 PH Jan 34, 2012 Std: None Device: BTS	Radio Std	4.1 PN 4010		a: 3.51495000 Run A dB		-	er Freq 3.514980000 GHz			Cent		
								Ref Offset 16.6 dB					
Center Fred 3.514980000 GHz											100 -		
	_	-			Marcent		-	_	-	_	un		
											20.0		
	-	-	-	1	_			manula	-		arts -		
				1							010		
CF Step 4.39900000 GH	top 3.62 GHz	Stop		_		_	-	_	Hz	3.41 G			
Auto Mar	mit	ALImit	itude	Amp	quency	F	q RBW	Stop Freq	Start Freq	Range	Spur		
	B dB	-22 08 dB	dBm	-35.0	71730000 GH	MHz 3	12 1.000	3.4750 GHz	3.4100 GHz	1	1		
Freq Offsel	13 dE	-70.23 dB	dElm	332	15752000 GH	MHz 3	tz 1 000	3 4790 GHz	3 4750 GHz	2	2		
OH		-28 10 dB			19975000 GRI			3 4800 GHz	3 4790 GHz		3		
0 143		-29 79 dB			06160000 GH4			3 5500 GHz	3 4800 GHz		4		
		-26.14 dB			50688000 GH			3 5510 GHz	3 5500 GHz		5		
		-20 23 dB			2896000 GH			3 5550 GHz	3.5510 GHz		6		
		-24 70 dB	deim	377	33170000 GH	MH2 3	12 1.000	3 6200 GHz	3 5550 GHz	7	1		
	0.00												





Band77-Part27\_70MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB189\_0\_CH656000





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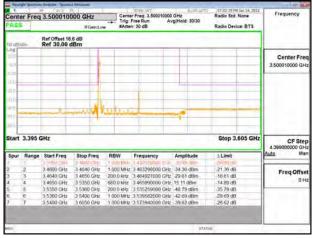
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#### Band77-Part27\_70MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_0\_CH632334

Cente	er Fred	3.485010	000 GHz	Cent	er Freq: 3.4850100	00 GHz	41124.4010	Radio Std	MJan 24, 2022 None	Frequency	
PASS			IFGain:Los		Free Run in: 30 dB	AvgiHold	. 30(30	Radio Device: BTS			
10 dB)	div.	Ref Offset 16 Ref 30.00 d									
Lag 123 129										Center Freq 3.485010000 GHz	
uin -					-						
200 - 200 - 200 -				-	-						
mic -	-			لتجكرهما		-	-	-			
	3.38 G	Hz	_	-			-	Stop	3.59 GHz	CF Step 4 39900000 GH	
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Ampl		ALimit		Auto Mar	
1 2	2	3 4450 GHz	3 4490 GHz	1 000 MHz	3 449010000 G		dEm	-19.20 dB		FregOffset	
3	3 4	3 4490 GHz 3 4500 GHz	3 4500 GHz 3 5200 GHz	680 0 kHz	3.450005000 G 3.451200000 G	17 16 76	dBm	-10.91 dB -13.24 dB		0 Ha	
5 6	5 6	3 5200 GHz 3 5210 GHz	3 5210 GHz 3 5250 GHz	1 000 MHz	3.520533000 G 3.523694000 G	42.83	dBm	-35 86 dB			
7	7	3 5250 GHz	3.5900 GHz	3 000 MPG	3.564920000 G	12 43 38	dElm	-30.38 dB	-		
-							STAT	5			

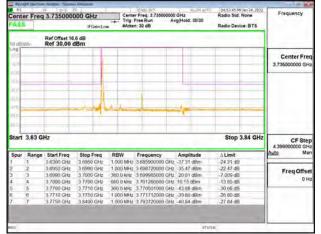
Band77-Part27 70MHz CP OFDM SCS30kHz QPSK RB1 0 CH633334



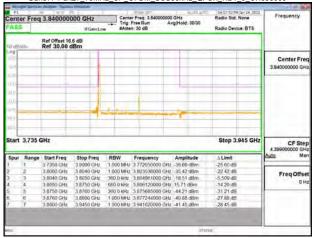
Band77-Part27\_70MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_0\_CH634332

Cente		3.514980		Trig:	r Freq: 3.514950000 Free Run Av		14010	Radio Std		Frequency
14 Page	Prosta Com			EACH	#Atten: 30 dB				ice: BTS	
10 dB)	div.	Ref Offset 16 Ref 30.00 d								
Lng	_			1					1	
10.0										Center Fred 3.514980000 GHz
nim										3.514980000 GH
15D		-				-	_			
22,0						-				
35.6	-	-	-		_	_	-			
1000			11	-	-	-			1	
100			succession .	*) // / ·····		-				
aic inv				*) ////		1				
105				•)		-1				
105	3,41 G	Hz	-	•) = /		1		Stop	3.62 GHz	
105	0.00	Start Freq	Stop Freq	RBW	Frequency	Amplitude		Stop	3.62 GHz	4.399000000 GHz
Start	0.00		Stop Freq	1 (000 0000	3 447559000 E-M	11 39 dam		A Limit		4.399000000 GHz
Start	Range 2	Start Freq 3 4750 GHz	3 4790 GHz	1 000 MHz	3 475612000 GHz	11 29 dain -37 33 dBm	n I	A Limit	3	4.399000000 GHs Auto Mar
Start	Range 2 3	Start Freq 3 4100 Cm 3 4750 GHz 3 4790 GHz	3 47.90 (BHz 3 4790 GHz 3 4800 GHz	1 000 MHz 200.0 RHz	3 475612000 GHz 3 475612000 GHz 3 479897000 GHz	11 29 dem 37 33 dBm -23 14 dBm	n n	A Limit -34 2006 -24 33 dB -10,14 dB	3	4.399000000 GHs Auto Man Freq Offset
Start	Range 2 3 4	Start Freq 3 4750 GHz 3 4750 GHz 3 4790 GHz 3 4000 GHz	3 4790 (34) 3 4790 GHz 3 4800 GHz 3 5500 GHz	1 000 MHz 200.0 kHz 680 0 kHz	3 475612000 GHz 3 475612000 GHz 3 479897000 GHz 3 481310000 GHz	11 29 dem -37 33 dBm -23 14 dBm 13 37 dBm	n n	A Limit - 24.33 dE - 10.14 dE - 16.63 dE	1 3 3	4.399000000 GHs Auto Man Freq Offset
Start	Range 2 3 4 5	Start Freq 3 4750 GHz 3 4750 GHz 3 4790 GHz 3 4800 GHz 3 5500 GHz	3 4790 (DH) 3 4790 GHz 3 4800 GHz 3 5500 GHz 3 5510 GHz	1 000 MHz 200.0 KHz 680 0 kHz 200.0 kHz	3 475612000 CHz 3 475612000 CHz 3 479897000 CHz 3 481310000 CHz 3 550172000 CHz	11 29 dem 37 33 dBm 23 14 dBm 13 37 dBm 48 43 dBm	n n i	A Limit 24.33 dB -10.14 dB -16.63 dB -35.43 dB	5 5 5	4.399000000 GH Auto Mar Freq Offse
Start	Range 2 3 4 5 6	Start Freq 3 4750 GHz 3 4750 GHz 3 4790 GHz 3 4800 GHz 3 5500 GHz 3 5510 GHz	3 4790 GHz 3 4790 GHz 3 4800 GHz 3 5500 GHz 3 5510 GHz 3 5550 GHz	1 000 MHz 200.0 KHz 680.0 KHz 200.0 KHz 1 000 MHz	3 475612000 E142 3 479612000 GHz 3 479897000 GHz 3 481310000 GHz 3 550172000 GHz 3 553264000 GHz	17 29 dem -37 33 dBm -23 14 dBm 13 37 dBm -46 43 dBm -42 79 dBm	n 1 1 1	A Limit 44 29 de 24 33 de 10 14 de -16 63 de -35 43 de 29 79 de	5 3 3 3 3 3	4.399000000 GHs Auto Man Freq Offset
Start	Range 2 3 4 5	Start Freq 3 4750 GHz 3 4750 GHz 3 4790 GHz 3 4800 GHz 3 5500 GHz	3 4790 (DH) 3 4790 GHz 3 4800 GHz 3 5500 GHz 3 5510 GHz	1 000 MHz 200.0 KHz 680.0 KHz 200.0 KHz 1 000 MHz	3 475612000 CHz 3 475612000 CHz 3 479897000 CHz 3 481310000 CHz 3 550172000 CHz	17 29 dem -37 33 dBm -23 14 dBm 13 37 dBm -46 43 dBm -42 79 dBm	n 1 1 1	A Limit 24.33 dB -10.14 dB -16.63 dB -35.43 dB	5 3 3 3 3 3	CF Step 4.39900000 GHz <u>Auto</u> Man Freq Offset 0 Hz
Start	Range 2 3 4 5 6	Start Freq 3 4750 GHz 3 4750 GHz 3 4790 GHz 3 4800 GHz 3 5500 GHz 3 5510 GHz	3 4790 GHz 3 4790 GHz 3 4800 GHz 3 5500 GHz 3 5510 GHz 3 5550 GHz	1 000 MHz 200.0 KHz 680.0 KHz 200.0 KHz 1 000 MHz	3 475612000 E142 3 479612000 GHz 3 479897000 GHz 3 481310000 GHz 3 550172000 GHz 3 553264000 GHz	17 29 dem -37 33 dBm -23 14 dBm 13 37 dBm -46 43 dBm -42 79 dBm	n 1 1 1	A Limit 44 29 de 24 33 de 10 14 de -16 63 de -35 43 de 29 79 de	5 3 3 3 3 3	4.399000000 GH Auto Mar Freq Offse

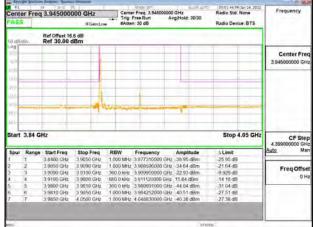
Band77-Part27\_70MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_0\_CH649000



Band77-Part27 70MHz CP OFDM SCS30kHz QPSK RB1 0 CH656000



Band77-Part27\_70MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_0\_CH663000



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Band77-Part27\_70MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_188\_CH632334

<b>10</b> R.	-	NF	R		SENRE INT	41PN 40TC		Frequency
Cent		3.485010		Trig:		Avg/Hold: 30/30	Radio Std: None	requercy
- Mag	-		#Gain1.co	#Atta	in: 30 dB		Radio Device: BTS	
10 dB	div.	Ref Offset 16 Ref 30.00 (						
Log								Center Freq
-2.5								3.485010000 GHz
nin								5.4000 10000 di la
1ED								
200								
ni à								
						14		
100			-		- Sugar	el here		
525.0								
(01)						_		
Start	3.38 G	Hz	-				Stop 3.59 GHz	CF Step
	_	_	_	_	_			4.399000000 GHz
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	A Limit	Auto Man
1		3 3900 6901	3 0450 (1242		134430(0000 E		JITH dB	
5	2	3.4450 GHz	3 4490 GHz		3 447150000 GB		-29.97 dB	Freq Offset
3	3	3 4490 GHz	3 4500 GHz	200.0 RHz	3.449473000 GF	Az -48:35 dBm	-35.36 dB	
4	4	3 4500 GHz	3 5200 GHz	680 0 kHz	3.518750000 GR	Hz 15.02 dBm	-14 98 dB	0 Hz
5	5	3 5200 GHz	3.5210 GHz	200.0 kHz	3.520039000 GH	Hz -23.24 dBm	-10 24 dB	
6	6	3 5210 GHz	3 5250 GHz	1 000 MHz	3 522610000 Gł	4z -29 88 dBm	-16.88 dB	
7	17	3 5250 GHz	3.5900 GHz	3 000 MHz	3.552830000 Gr	tz -35.75 dBm	-22 75 dB	
	Ī		_	-		BTA	rus.	

Band77-Part27 70MHz CP OFDM SCS30kHz QPSK RB1 188 CH633334



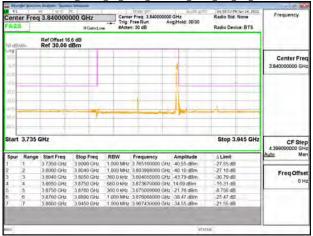
Band77-Part27\_70MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_188\_CH634332

		3.514980	000 GHz		Free Run Av	GHz gHold: 30/30	07:07:15 PM Jan 24, 2022 Radio Std: None	Frequency
PAS			#Gain1.o	#Atte	n: 30 dB	1	Radio Device: BTS	
10 dB	NDV-	Ref Offset 16 Ref 30.00 d						
2 ge							T	1.000
10.0								Center Free
								3.514980000 GH:
0.00	_			_				-
1ED		-			-			
22,0								
6.00					-	4		ć
100					1		Ar	
150	-		-		1111-11.11			
				1				
(0.5)			-		-			
Start	CF Step 4 399000000 GH							
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	A Limit	Auto Mar
1	1	3 4100 (201)	3 47.60 (34)	110000000	14355TRANDER	43.07 dBm	-30A3 dB	
2	2	3 4750 GHz	3 4790 GHz		3 477896000 GHz		-30,18 dB	FregOffse
3	3	3 4790 GHz	3 4800 GHŁ		3.479327000 GRz		-36.06 dB	OH
	'4	3 4800 GHz	3 5500 GHz		3.548720000 GHz		-7.126 dB	015
4	5	3 5500 GHz	3.5510 GHz		3 550020000 GHz		-10 79 dB	
4	6	3.5510 GHz	3 5550 GHz 3 6200 GHz		3 554472000 GHz		-25.69 dB	
4 5 6					13 582540000 GHz	-35 03 dEm	-22.03 dB	
4 5 6 7	7	3 5550 GHz	3 6200 GH2		and the second second second	and the second second	The Art Market	
4 5 6 7	1	3 5550 GHz	3 6200 GH2				10000	

Band77-Part27\_70MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_188\_CH649000



Band77-Part27\_70MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_188\_CH656000



Band77-Part27\_70MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_188\_CH663000

		Free Run n: 30 dB		FGantos			Cente	
					Ref Offset 16. Ref 30.00 d		10 dBA	
			-				10.0 -	
							100	
_		-	-		-		22,0	
							20.0	
	-	1		1			ai o	
_					1	_	105	
Start 3.84 GHz Stop 4.05 GHz								
de	1	Frequency	RBW	Stop Freq	Start Freq	Range	Spur	
Bern	3812	3849620000	1.000 MHz	3.9050 GHz	3 8400 GHz	1	1	
				3.9090 GHz	3.9050 GHz		2	
							3	
							4	
							5	
							6	
im.	SHILL S	4 012820000	1 000 MHz	4.0500 GH2	3 9850 GHz	7	1	
	44.84 dBm 3.58 dBm 20.86 dBm 32.28 dBm 37.09 dBm	GH2 44 84 dBm GH2 13 88 dBm GH2 20 86 dBm GH2 32 28 dBm GH2 37 09 dBm	3 90900000 GHz 44 84 dBm 3 978740000 GHz 13.58 dBm 3 980005000 GHz 20 86 dBm 3 982448000 GHz -32 28 dBm	360 0 kHz, 3 999002000 GHz, 44 84 dBm 660 0 kHz, 3978740000 GHz, 138 dBm 900 0 kHz, 398005000 GHz, 388 dBm 1 000 MHz, 3982445000 GHz, 32 28 dBm 3 000 MHz, 4 012820000 GHz, 37 09 dBm	3 9100 GHz 3000 Hz 3 939000000 GHz 44 84 dBm 3 9810 GHz 300 Hz 3 97873000 GHz 13 84 dBm 3 9810 GHz 300 Hz 3 589005000 GHz 38 dBm 3 9850 GHz 1000 HHz 3 589005000 GHz 37 69 dBm 4 0500 GHz 1000 HHz 4 012820000 GHz 37 69 dBm	3 5000 GHz         3 3010 GHz         3 020 GHz         3 494 dBm           3 9100 GHz         3 900 GHz         3 600 GHz         3 7 09 GBm	3 3 9599 GHz 3990 GHz 360 Hz 39900000 GHz 484 dBm 4 39100 GHz 3990 GHz 800 Hz 971700 GHz 138 dBm 5 3900 GHz 3981 GHz 200 Hz 1391700 GHz 138 dBm 6 3910 GHz 3959 GHz 100 MHz 435000000 GHz 238 dBm 7 39850 GHz 40500 GHz 1000 MHz 4012820000 GHz 37.99 dBm	

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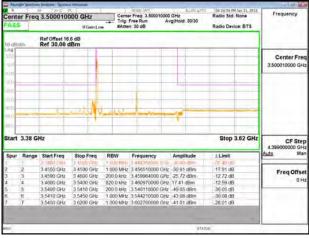
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台灣檢驗	科技	设份有限	公司

# Report No.: ER/2021/C0138 Page: 118 of 172

Band77-Part27\_80MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_0\_CH632668

Frequency	Radio Std: None Radio Device: BTS	Hz Hold: 30/30	Free Run Av	Trig	000 GHz	3.490020		Cent
						Ref Offset 16 Ref 30.00 (		1d dB)
Center Free 3.490020000 GH								10.00 10.00
						-		000
				Atter.				10
		1		w.w.s				(0.5
CF Ster 4.399000000 GH	Stop 3.61 GHz				-	łz	3.37 G	Start
Auto Ma	ALimit	Amplitude	Frequency	RBW	Stop Freq	Start Freq	Range	Spur
	1-371108	4) Dutern	3 4 52 TTIME EN	1100000	3 8490 (124)	3 3702 2201	1	1
Freq Offse	-15.04 dB	28.04 dBm	3 449016000 GHz	1 000 MHz	3 4490 GHz	3.4450 GHz		5
OH	-13.13 dB		3.449921000 GHz		3 4500 GHz	3 4490 GHz		3
0 H	-8.857 dB		3.451220000 GHz		3 5300 GHz	3 4500 GHz		4
	-36.96 dB		3.530207000 GHz		3.5310 GHz	3 5300 GHz		5
	-31.47 dB		3 534348000 GHz		3.5350 GHz	3 5310 GHz		6
	-27.92.d8	40.92 dBm	3.538770000 GHz	3.000 MPH	3 6100 GHz	3 5350 GHz	7	7

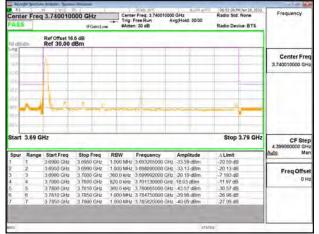
Band77-Part27\_80MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_0\_CH633334



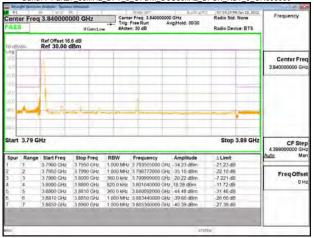
Band77-Part27\_80MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_0\_CH634000

Cent		3.510000		Trig:	Free Run A	GHz gHold 30/3	0 <sup>F</sup>	Radio Std		Frequency
-			IFGen1.0	- EACH	n: 30 dB		P	Radio Dev	nice: BTS	
10 dB	div.	Ref Offset 16 Ref 30.00 d								
ing							1		[	
10.0									1	Center Free 3.51000000 GH:
										3.51000000 GH
1000										
15D		-	1				_	_		
22,0			1				-			
010	-	-		-	-	-	-		-	
400				1.11	-	-	-		-	
550				110100-000			-			
				1000		1				
(0.5)						1				
(05)	3.39 G	Hz				~		Stop	3.63 GHz	
(05)	1942.2	Hz Start Freq	Stop Freq	RBW	Frequency	Amplitude		Stop	3.63 GHz	4.399000000 GHz
Start	1942.2		Stop Freq		Frequency 1 4021120000 Error					4.399000000 GHz
Start	Range 2	Start Freq 3 4850 GHz	3 4090 GHz	1 000 MHz	3 468892000 CHz	-23 94 dBm	n I se	A Limit d 1 12 de 10 94 de		4.399000000 GHs Auto Mar
Start	Range 2 3	Start Freq 3 4650 GHz 3 4690 GHz	3 4090 GHz 3 4700 GHz	1 000 MHz 200.0 RHz	3 458892000 GHz 3 469932000 GHz	-23 94 dBm -21 98 dBm		Δ Limit 10 94 dB 8 984 dB		4.399000000 GHs Auto Man Freq Offset
Start	Range 2 3 4	Start Freq 3 4850 GHz 3 4690 GHz 3 4700 GHz	3 4090 GHz 3 4090 GHz 3 4700 GHz 3 5500 GHz	1 000 MHz 200.0 KHz 820 0 kHz	3 439129040 ETA 3 468892000 GHz 3 469932000 GHz 3 471040000 GHz	-23 94 dBm -23 94 dBm -21 98 dBm 14 93 dBm		A Limit 10 94 de 8 984 de 15 07 de		4.399000000 GHs Auto Man Freq Offset
Start	Range 2 3 4 5	Start Freq 3 4850 GHz 3 4850 GHz 3 4690 GHz 3 4700 GHz 3 5500 GHz	3 4007 1242 3 4090 GHz 3 4700 GHz 3 5500 GHz 3 5510 GHz	1 000 MHz 200.0 KHz 820.0 KHz 200.0 KHz	1 432119040 E14 3 468892000 GHz 3 409932000 GHz 3 471040000 GHz 3 550055000 GHz			A Limit 10 94 dB 8 984 dB 15 07 dB 36 86 dB		4.399000000 GHs Auto Man Freq Offset
Start	Range 2 3 4 5 6	Start Freq 3 4850 GHz 3 4850 GHz 3 4690 GHz 3 4700 GHz 3 5500 GHz 3 5510 GHz	3 4000 GHz 3 4000 GHz 3 4700 GHz 3 5500 GHz 3 5510 GHz 3 5550 GHz	1 000 MHz 200.0 KHz 820.0 KHz 200.0 KHz 1 000 MHz	3 45913000 EV 3 468892000 GHz 3 409932000 GHz 3 471040000 GHz 3 550055000 GHz 3 551300000 GHz	-23 94 dBm -23 94 dBm -21 98 dBm 14 93 dBm -49 86 dBm -43 72 dBm		A Limit 10 94 dB 8 984 dB 15 07 dB 36 86 dB 30 72 dB		4.399000000 GH Auto Mar Freq Offse
Start	Range 2 3 4 5	Start Freq 3 4850 GHz 3 4850 GHz 3 4690 GHz 3 4700 GHz 3 5500 GHz	3 4007 1242 3 4090 GHz 3 4700 GHz 3 5500 GHz 3 5510 GHz	1 000 MHz 200.0 KHz 820.0 KHz 200.0 KHz 1 000 MHz	1 432119040 E14 3 468892000 GHz 3 409932000 GHz 3 471040000 GHz 3 550055000 GHz	-23 94 dBm -23 94 dBm -21 98 dBm 14 93 dBm -49 86 dBm -43 72 dBm		A Limit 10 94 dB 8 984 dB 15 07 dB 36 86 dB		CF Step 4.39900000 GHz <u>Auto</u> Man Freq Offset 0 Hz
Start	Range 2 3 4 5 6	Start Freq 3 4850 GHz 3 4850 GHz 3 4690 GHz 3 4700 GHz 3 5500 GHz 3 5510 GHz	3 4000 GHz 3 4000 GHz 3 4700 GHz 3 5500 GHz 3 5510 GHz 3 5550 GHz	1 000 MHz 200.0 KHz 820.0 KHz 200.0 KHz 1 000 MHz	3 45913000 EV 3 468892000 GHz 3 409932000 GHz 3 471040000 GHz 3 550055000 GHz 3 551300000 GHz	-23 94 dBm -23 94 dBm -21 98 dBm 14 93 dBm -49 86 dBm -43 72 dBm		A Limit 10 94 dB 8 984 dB 15 07 dB 36 86 dB 30 72 dB		4.399000000 GH Auto Mar Freq Offse

Band77-Part27\_80MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_0\_CH649334



Band77-Part27\_80MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_0\_CH656000



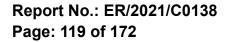


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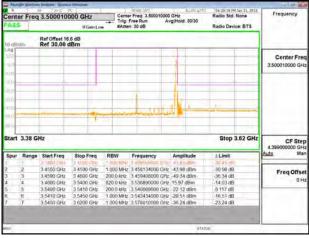
t (886-2) 2299-3279 f (886-2) 2298-0488



Band77-Part27\_80MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_216\_CH632668

- Angel	W SHOW	Annine South	(Process)	-				418401		A PH Jan 21, 2022	110 00
Cent		3.490020		Te	nter Freq g: Free R	: 3.490020 un			Radio 5	td: None	Frequency
1462			IFGentLo	- #A	tten: 30 d	8	_		Radio C	evice: BTS	
10 dB)	ulliv.	Ref Offset 16 Ref 30.00 d									
1010 10.0					-						Center Freq 3.490020000 GHz
100		1			-	_					
616 100			-		1	ant.	111	1000	1		
910 101			1			-de-de-de-					
Start	3.37 G	Hz							Sto	p 3.61 GHz	CF Step
Spur	Range	Start Freg	Stop Freg	RBW	Freq	uency	A	mplitude	ALIM	t	Auto Man
1	1	3 3700 GHz	3.4450 GHz	1.000 M	Hz 3.417	270008 0	3812 4	5 00 dBm	-32.00	B	
2	2	3.4450 GHz	3 4490 GHz	1 000 M	Hz 3 445	9000088	SHz -4	4 29 dBm	-31.29	dB	Freq Offset
3	3	3 4490 GHz	3 4500 GHz	200.0 85	12 3.449	519000 (	SHz 5	0.03 dBm	37.03	dB	
4	4	3 4500 GHz	3 5300 GHz	820 0 M		6600000			-8 138		0 Hz
5	5	3 5300 GHz	3.5310 GHz	200.0 kb	kz 3.530	065000 0	SHz 2	1.40 dBm	-8.405	dB	
6	6	3 5310 GHz	3.5350 GHz	1 000 M	Hz 3 531	296000 0	342 2	198 dBm	.15.98		
7	7	3.5350 GHz	3 6100 GHz	1.000 M	Hz 3 567	570000	342 -3	4.54 dBm	-21.54	dB	
ing i	_							574	11.45		

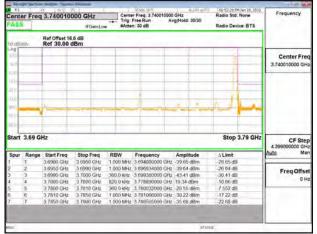
Band77-Part27 80MHz DFT s OFDM SCS30kHz BPSK RB1 216 CH633334



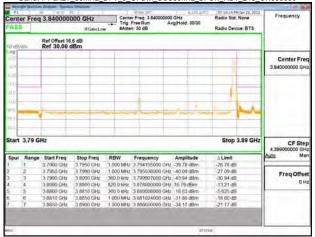
Band77-Part27\_80MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_216\_CH634000

		3.510000		Trig:		GHz gHold: 30/30	Radio Std. None	Frequency
PASS			IFGent_o	#Atte	n: 30 dB		Radio Device: BTS	-
10 450	div.	Ref Offset 16 Ref 30.00 d						
ing							T I	
12.5								Center Free 3.51000000 GHz
1000	-			-		1		
UED -		-			-		-	
22,0						11		
33.6						1	1	
100	-				- Marine	WIT		
in the								
Start	3.39 G	Hz					Stop 3.63 GH	Z CF Step 4 39900000 GHz
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	A Limit	Auto Man
1		3 3/00 (201)	1 49 77 1241	1 (100 894)	1 474500000 E-M	45 17 dam	-30 T7 dB	
2	2	3.4850 GHz	3 4690 GHz	1 000 MHz	3 468936000 GHz	-## 16 dBm	-31 18 dB	Freq Offset
3	3	3 4690 GHz	3 4700 GHz		3.469567000 GRz		-37 16 dB	OH
4	4	3 4700 GHz	3 5500 GHz		3.548960000 GHz		-15.21 dB	0 143
5	5	3 5500 GHz	3.5510 GHz		3 550164000 GHz		-15.09 dB	
6	6	3.5510 GHz	3 5550 GHz		3 551212000 GHz		13 25 dB	
7	7	3 5550 GHz	3 6300 GHz	1 000 MHz	3.587250000 GHz	-34 62 dBm	-21 62 d8	

Band77-Part27\_80MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_216\_CH649334



Band77-Part27 80MHz DFT s OFDM SCS30kHz BPSK RB1 216 CH656000



Band77-Part27\_80MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_216\_CH662666

Cente		3.939990	IFGeinter	Trig:	r Freq: 3.93999 Free Run n: 30 dB	Avg Hold	2. 30/30	Radio Str Radio De	2: None vice: BTS	Frequency
10 dBs	elle-	Ref Offset 16 Ref 30.00 (								
										Center Fre
a(a)-	-				-	_		-	-	
100					-		-	-	-	
22,0 -					-			-		
33.6								-		
400	-	1	- the second	-					~	
550-										
105									1	
Start	3.89 G	Hz						Stop	3.99 GHz	CF Step 4.399000000 GH
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amp	litude	ALIMIT		Auto Mar
1	1	3 8900 GHz	3/8950 GHz	1.000 MHz	3.891975000 (	HI2 -40.6	8 dBm	-27.68 d	8	
2	2	3 8950 GHz	3 8990 GHz		3 898316000 (			-27.63 d		FregOffse
3	3	3 8990 GHz	3.9000 GH#		3.899649000 (			-31.34 d		OH
4	'4	3 9000 GHz	3.9800 GHz		3.978870000			-10.64 d		
5	5	3 9800 GHz	3.9810 GHz		3.979994000 (			-7 852 d		
0	6	3 9810 GHz 3 9850 GHz	3.9850 GHz 3.9900 GHz		3 981015000 (			-22.87 d		
-	-	3 9850 GHz	3.9900 (342	3 000 MP2	3 999 940 000	312 -337	1 dem	-20/110	0	
							174		-	

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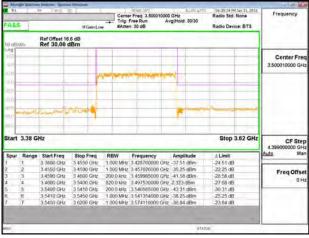
t (886-2) 2299-3279 f (886-2) 2298-0488

## Report No.: ER/2021/C0138 Page: 120 of 172



Frequency	Radio Std: None Radio Device: BTS	4.1 PK 4010	000 GHz Avg Hold	Freq: 3.490020 Free Run 1: 30 dB	Trig:	000 GHz	3.4900200		Cent
							Ref Offset 16 Ref 30.00 c		10 08
Center Fre									ang ang
			parte -		-			_	<b>n</b> (m
			-						22.0
Cr step			-	-	_		_	_	0.00
		-		-		Cuber C	- IVI	_	20
			+						105
CF Ste 4.39900000 GH	Stop 3.61 GHz	_	_		_		łz	3.37 G	
Auto Ma	ALimit	itude	Amp	Frequency	RBW	Stop Freq	Start Freq	Range	Spur
	-26 28 dB	dBm	842 -39.2	3.433770008 G	1.000 MHz	3.4450 GHz	3.3700 GHz	1	1
FregOffse	-25 23 dB	dElm	Hz 382	3 447352008 G	1 000 MHz	3 4490 GHz	3.4450 GHz	2	2
	-30.70 dB			3.449956000 G		3 4500 GHz	3 4490 GHz		3
01	-28 42 dB			3 456020000 G		3 5300 GHz	3 4500 GHz		4
-	-33.51 dB	dBm	Hz 40.5	3.530137000 G	200.0 kHz	3.5310 GHz	3 5300 GHz		5
	-26.70 dB			3 534124000 G		3.5350 GHz	3 5310 GHz		6
	-23.47 dB	dBm	Hz -364	3.564120000 G	3 000 MHz	3 6100 GHz	3 5350 GHz	1	1

Band77-Part27 80MHz DFT s OFDM SCS30kHz BPSK RB216 0 CH633334



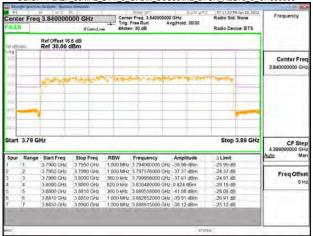
Band77-Part27\_80MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB216\_0\_CH634000

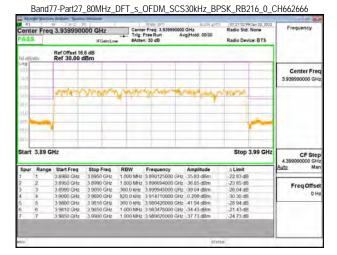
Radio Std: None Radio Device: BTS		Free Run Av	Trig		3.5100000		Cente	
							10 dB)	
							10.0 -	
		a second	www.//*				1010	
					1		20.0	
				the second			100-	
	1			- 11 - 14			550 *	
Stop 3.63 GHz					14	0.00 0.		
Stop 3.63 GHz	Amplitude	Frequency	RBW	Stop Freq	Start Freq	2/52.20	Spur	
A Limit	-37 61 dBm	3.454500000 GHz	1.000 MH	3.4650 GHz	Start Freq 3 3900 GHz	Range	Spur 1	
Δ Limit -24.61.dB -27.31.dB	-37 61 dBm -40.31 dBm	3 454500000 GHz 3 466168000 GHz	1.000 MH	3.4650 GHz 3.4690 GHz	Start Freq 3 3900 GHz 3 4850 GHz	Range 1 2	Spur 1 2	
Δ Limit -24 61 dB -27 31 dB -28 93 dB	-37 61 dBm -40.31 dBm -41.93 dBm	3 454500000 GHz 3 406168000 GHz 3 469984000 GHz	1.000 MH 1.000 MH 200.0 RH	3 4650 GHz 3 4690 GHz 3 4700 GHz	Start Freq 3 3900 GHz 3 4850 GHz 3 4890 GHz	Range 1 2 3	<b>Spur</b> 1 2 3	
A Limit -24 61 dB -27 31 d6 -28 93 dB -28 86 dB	-37 61 dBm -40.31 dBm -41.93 dBm 1.341 dBm	3 454500000 GHz 3 406168000 GHz 3 409984000 GHz 3 513280000 GHz	1.000 MH 1.000 MH 200.0 RH 820.0 kH	3.4650 GHz 3.4690 GHz 3.4700 GHz 3.5500 GHz	Start Freq 3 3900 GHz 3 4650 GHz 3 4690 GHz 3 4700 GHz	Range 1 2 3 4	Spur 1 2 3 4	
A Limit -24 61 dB -27 31 dB -28 93 dB -28 66 dB -31 30 dB	-37 61 dBm -40 31 dBm -41 93 dBm 1 341 dBm -44 30 dBm	3 454500000 GHz 3 406188000 GHz 3 409984000 GHz 3 513280000 GHz 3 550581000 GHz	1.000 MH 1.000 MH 200.0 RH 820.0 RH 200.0 RH	3 4650 GHz 3 4690 GHz 3 4700 GHz 3 5500 GHz 3 5510 GHz	Start Freq 3 3900 GHz 3 4850 GHz 3 4890 GHz 3 4700 GHz 3 5500 GHz	Range 1 2 3 4 5	5 Spur 1 2 3 4 5	
A Limit -24 61 dB -27 31 d6 -28 93 dB -28 86 dB	-37 61 dBm 40.31 dBm 41.93 dBm 1.341 dBm 44.30 dBm -36 71 dBm	3 454500000 GHz 3 406168000 GHz 3 409984000 GHz 3 513280000 GHz	1.000 MH 1.000 MH 200.0 kH 820.0 kH 200.0 kH 200.0 kH 1.000 MH	3.4650 GHz 3.4690 GHz 3.4700 GHz 3.5500 GHz	Start Freq 3 3900 GHz 3 4650 GHz 3 4690 GHz 3 4700 GHz	Range 1 2 3 4 5 6	Spur 1 2 3 4 5 6	
	Radio Std: None	GHz Radio Std. None g Hold: 30/30	ter Freq: 3.51000000 GHz Radio Std: None Free Run Avg/Hold: 30/30	Center Freq: 3.51000000 GHz Radio Std: None Trig: Free Run Avg/Hold: 30/30	000 GHz Addies a 351000000 GHz Radio Std: None Flig: File Run: Avg Hold: 3000 Radio Device: BTS & Atten: 30 dB Radio Device: BTS	3.510000000 GHz Center Freq. 3.510000000 GHz Radio Std: None Stillenture Addin: 30 dB Radio Device: BTS Ref Offset 16.6 dB	Ar Freq 3.510000000 GHz Career Free: 351000000 GHz Radio Std: None Trig: Free Bun AvgiHold: 3000 Radio Device: BTS Ref Offset 15.5 dB	

Band77-Part27\_80MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB216\_0\_CH649334

Conte	ar Frag	3.740010	000 CH2	Certe	Freg: 3.7400100	4.1PX 4	Radio Std	HJan 20, 2012	Frequency	
PASS		5.740010	IFGein1ce	Trig:		AvgiHold: 30/30	Radio Dev	ice: BTS		
	Ref Officet 16.5 dB e dBady- Ref 30.00 dBm									
100 100									Center Freq 3.740010000 GHz	
1000			all all a	de la	and and	WWW	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-		
22.0										
51.0								-	P	
105	3.69 G	1						3.79 GHz		
Start	3.09 G	12		-	_	-	stop	3.79 GHZ	CF Step 4.399000000 GH:	
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ALimit		Auto Mar	
1	1	3.6900 GHz	3.6950 GHz		3 690385000 GH		-26.36 dB			
2	2	3,6950 GHz	3 6990 GHz		3 697194000 GH		-25.00 dB		Freq Offsel	
3	3	3 6990 GHz	3.7000 GH#		3.700000000 GH		-26.18 dE		0 Hz	
4	4	3.7000 GHz	3 7800 GHz		3.731050000 GH		-27 97 dE		a ria	
5	5	3 7800 GHz	3.7810 GHz		3.760063000 GH		-29.60 dE			
7	6	3 7810 GHz 3 7850 GHz	3 7850 GHz 3 7900 GHz		3 784362000 GH 3 785885000 GH		-26 78 dE			
/		o read Ght	0 7800 GHZ	3 000 6042	a reposition tar	12 - 37 97 08m	-24 4/ dt			
-							TATLIS	-		

Band77-Part27 80MHz DFT s OFDM SCS30kHz BPSK RB216 0 CH656000





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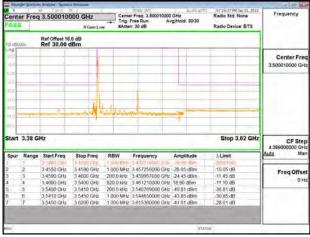
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# Report No.: ER/2021/C0138 Page: 121 of 172

### Band77-Part27\_80MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_0\_CH632668

the state of the s			and the second second		STARE INT		07,24.44.94		Frequency		
Cent PAS		3.490020	000 GHZ FGanto	Trig:	r Freq: 3.490020000 Free Run A n: 30 dB	vg Hold	30/30	Radio Std. Radio Devi		riequency	
	Ref Offset 16.6 dB d dEbid/v Ref 30.00 dBm										
203 10.5										Center Free 3.490020000 GH	
NUM -		-			-			-			
22,0				-	-		_	-	_		
100			Villeron	10 miles	a com	-					
105						_					
Start	3.37 G	HZ	-	-		-	-	Stop :	3.61 GHz	CF Ster 4.399000000 GH	
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Ampli	tude	ALImit		Auto Mar	
1		3 3700 CM	3 8450 (242		345300000 6/8			-31130 dE			
5	2	3 4450 GHz	3 4490 GHz		3 447600000 GHz			-15 85 dB		FregOffse	
3	3	3 4490 GHz	3.4500 GHz		3.450004000 GRz			-7.831 dB		OH	
4	'4	3 4500 GHz	3 5300 GHz		3.451300000 GHz			-16.61 dB	_	01	
5	5	3 5300 GHz	3.5310 GHz		3.530809000 GHz			-36.27 dB	-		
6	6	3 5310 GHz	3.5350 GHz		3 533320000 GHz			-30 87 dB			
7	7	3.5350 GHz	3 6100 GHz	3.000 MHz	3.549420000 GHz	-41,00	dElm	-28 00 dB	-		

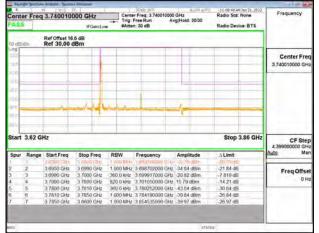
Band77-Part27 80MHz CP OFDM SCS30kHz QPSK RB1 0 CH633334



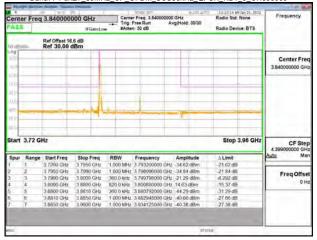
Band77-Part27\_80MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_0\_CH634000

Cent	er Freq	3.510000	000 GHz		Free Run Av	GHz giHold: 30/30	07.31-54 PH Jan 21, 2012 Radio Std: None	Frequency	
PAS			IFGen1.0		n: 30 dB	Ali inia. an an	Radio Device: BTS		
10 dB	ndiv.	Ref Offset 16 Ref 30.00							
ling							T		
10.0								Center Free 3.510000000 GH	
								3.51000000 GH	
1000									
UED -	-					-			
22,0	-					_			
6.00				_					
100			1						
1000		- Au	- Aller I	idh-in					
10.5			- N						
10.5									
Start	3.39 G	Hz					Stop 3.63 GHz	CF Step	
	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ALImit	Auto Mar	
Spur		3 3980 (201)	3 49 77 1241		3 437300000 E-A-		-31/31 dB		
Spur	3	3 4650 GHz	3 4690 GHz		3 468580000 GHz		-23 63 dB	Freq Offsel	
Spur 1 2	- <b>4</b> .		3 4700 GHz	200.0 RHz	3.469992000 GHz		-9.625 dB	OH	
5pur 1 2 3	3	3 4690 GHz						OH	
5pur 1 2 3 4	4	3 4700 GHz	3 5500 GHz		3 470800000 GHz		-13.07 dB		
5pur 1 2 3 4 5	4.5	3 4700 GHz 3 5500 GHz	3 5500 GHz 3 5510 GHz	200 0 kHz	3.550443000 GHz	-49 66 dBm	-36 66 dB		
5 5 6 7	4 5 6	3 4700 GHz 3 5500 GHz 3 5510 GHz	3 5500 GHz 3 5510 GHz 3 5550 GHz	200 0 kHz 1 000 MHz	3.550443000 GHz 3.553180000 GHz	49.66 dBm 43.43 dBm	-36 66 dB -30.43 dB		
5 3 4 5 6 7	4.5	3 4700 GHz 3 5500 GHz	3 5500 GHz 3 5510 GHz	200 0 kHz 1 000 MHz	3.550443000 GHz	49.66 dBm 43.43 dBm	-36 66 dB		
5 6 7	4 5 6	3 4700 GHz 3 5500 GHz 3 5510 GHz	3 5500 GHz 3 5510 GHz 3 5550 GHz	200 0 kHz 1 000 MHz	3.550443000 GHz 3.553180000 GHz	49.66 dBm 43.43 dBm	-36 66 dB -30.43 dB		

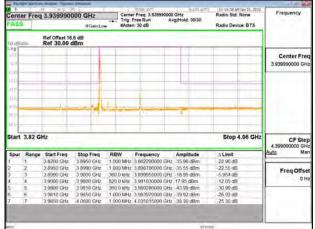
Band77-Part27\_80MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_0\_CH649334



Band77-Part27 80MHz CP OFDM SCS30kHz QPSK RB1 0 CH656000



Band77-Part27\_80MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_0\_CH662666



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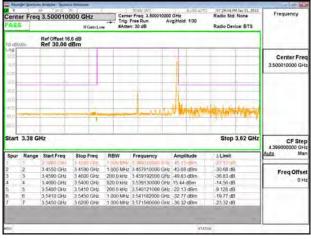
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台灣檢驗科技關	股份有限公司	ij

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### Band77-Part27\_80MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_216\_CH632668

<b>1</b>		6	10.1		MONRE UNT	100	4.1PX 401			Frequency
PAS		3.490020	000 GHz FGente	Trig:	er Freq: 3.4900200 Free Run n: 30 dB	2. 30/30	Radio Std. P Radio Devic		Frequency	
10 dB	ullv-	Ref Offset 16 Ref 30.00 d								
10.00-										Center Freq 3.490020000 GHz
1000 1000		-			-	1		-	_	
200- 200-		-			-	1				
550									_	
Start	3.37 G	Hz						Stop 3	.61 GHz	CF Step
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amp	litude	ALimit	_	4.39900000 GHs Auto Mar
1	1	3 3700 GHz	3.4450 GHz	1.000 MHz	3 393870000 G	Hz 44.9	B dElmi	-31.98 dB		
2	2	3.4450 GHz	3 4490 GHz		3 446660000 G			-31.32 dB		FregOffse
3	3	3 4490 GHz	3 4500 GHz		3.449050000 G			-36.72 dB		OH
4	'4	3 4500 GHz	3 5300 GHz		3.529220000 G			-21.70 dB		014
5	5	3 5300 GHz	3.5310 GHz		3.530181000 G			-12.50 dB		-
6	6	3 5310 GHz	3.5350 GHz		3.531512000 G			-21.51 dB	-	
7	7	3.5350 GHz	3 6100 GHz	3 000 MHz	3.542820000 G	Hz -364	/ dBm	-23 47 dB	_	
00	_					_	STA	tus:		

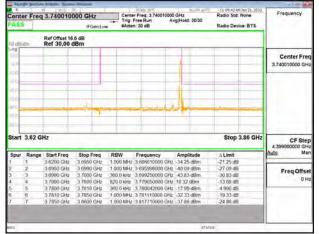
Band77-Part27 80MHz CP OFDM SCS30kHz QPSK RB1 216 CH633334



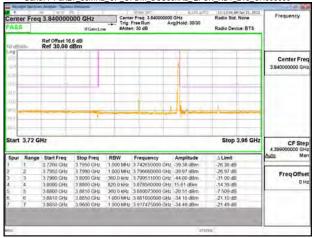
Band77-Part27\_80MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_216\_CH634000

Cente		3.510000	000 GHz	Trig:	Free Run Av	GHz gHold: 30/30	Radio Std: None Radio Device: BTS	Frequency
10 dB)	unu.	Ref Offset 16 Ref 30.00 (	.6 dB					1
Ling	11.4	1101 00.00		1	1		T	
203						1		Center Free 3.51000000 GH
nim								3.51000000 01
TED								
22,0						1		
316-						11		1
100				-	I was the	Winne		
510			1			- F:		
(01) -			-		-	_		
Start	3.39 G	Hz		-		-	Stop 3.63 GH	CF Step
Spur	Range	Start Freg	Stop Freg	RBW	Frequency	Amplitude	ALImit	Auto Mar
1	1	3 3/00 C/01	1 49 77 1241	1 (100 894)	3 4 19250040 E-M	45 01 dBm	-JUD OT dB	
2	2	3 4850 GHz	3 4690 GHz		3 466640000 GHz		-31 52 dB	FregOffse
3	3	3 4690 GHz	3 4700 GHŁ		3.469234000 GRz		-37.06 dB	OH
4	4	3 4700 GHz	3 5500 GHz		3.548720000 GHz		-11.57 dB	UN
5	5	3 5500 GHz	3.5510 GHz		3.550090000 GHz		-12 38 dB	
6	6	3.5510 GHz	3 5550 GHz		3 551280000 GHz		18.16 dB	
7	1	3 5550 GHz	3 6300 GHz	3 000 MHz	3.587850000 GHz	-35 77 dBm	-22 77 dB	
-	_	_		_		STAT	14	

Band77-Part27\_80MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_216\_CH649334



Band77-Part27\_80MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_216\_CH656000



Band77-Part27\_80MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_216\_CH662666

None	Radio Std						Freq 3.939990000 GHz FGentee				
										ally-	10 dB
			1						-		100 -
-		_						-			100
_	1	-	1	-	1		-	_		_	100
-					-		1				101/7 103 S
4.06 GHz	Stop								GH	3.82 G	Start
	ALImit	tude	Amp	ency	Free	RBW	top Freq	start Freq	ge	Range	Spur
	-27.23 dB	dElmi	-40.2	15000 GHz	3.83	1.000 MHz	950 GHz	8200 GHz		1	1
										2	2
											3
											4
											5
											7
and the second value of	-22'01'00	Gent	~32.0	HALFE DE CALL	4.011	A Sport Barrie	Service Shu	Salar Griz			-
	None Ica: 875	Stop 4.06 GHz	Radio Std: None Radio Device 8 TS Radio Device 8 TS 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Column         Radio Std. None           Radio Std. None         Radio Std. None           Radio Device BTS         Radio Device BTS             Stop 4.06 CHz         1             Stop 4.06 CHz         1             Amplitude         1           40.23 dBm         22 To db           44.40 dBm         31.40 dB           17.93 dBm         32.37 dB           35.37 dBm         32.337 dB	Radio Stat. None Radio	Freq:335990000 GHz         Radio Std. None           n: 30 dB         Radio Std. None           Radio Std. None         Radio Std. None           Radio Device BTS         Radio Device BTS           Stop 4.06 GHz         1           Stop 4.06 GHz         1           Stop 4.06 GHz         2/2 3 dB           Stop 14.06 GHz         2/2 10 dB           Stop 15000 GHz - 40.73 dBm         2/2 10 dB           Stop 15000 GHz - 40.73 dBm         2/2 10 dB           Stop 15000 GHz - 40.74 dBm         3/2 10 dB           Stop 170000 GHz - 40.76 dBm         3/2 10 dB           Stop 1700000 GHz - 40.76 dBm         3/2 10 dB           Stop 170000 GHz - 40.76 dBm         3/2 10 dB           Stop 170000 GHz - 40.76 dBm         3/2 10 dB           Stop 170000 GHz - 40.76 dBm         3/2 30 dB           Stop 170000 GHz - 40.76 dBm         3/2 30 dB           Stop 17000 GHz - 40.76 dBm         3/2 30 dB           Stop 17000 GHz - 40.76 dBm         3/2 30 dB           Stop 17000 GHz - 40.76 dBm         3/2 30 dB           Stop 17000 GHz - 40.76 dBm         3/2 30 dB           Stop 17000 GHz - 170.36 dBm         3/2 30 dB	Cheme Freq: 335990000 GHz Trig: Freq Isson         Argifield: 3000         Radio Std: None Radio Device BTS           Radio: 30 dB         Addim: 30 dB         Radio Device BTS           Stop: 4.06 GHz         1         1           Stop: 4.06 GHz         1         1           Stop: 4.06 GHz         272.3 dB         1000 MHz           D000 MHz         351915000 GHz         0.2 dB           D000 MHz         351915000 GHz         0.2 dB           D000 MHz         351915000 GHz         0.4 dD           D00 MHz         359915000 GHz         0.4 dD           D00 MHz         359915000 GHz         0.4 dD           D00 MHz         35901500 GHz         1.4 DD           D00 MHz         35900500 GHz         1.4 DD           D00 MHz         35000500 GHz         1.4 DD           D00 MHz         35000500 GHz         1.4 DD           D00 MHz         35000500 GHz         1.5 DD	Big CH2	3.939990000 GHz         Center Freq. 3.9399000 GHz         Radio Stat. None           FGentum         Top Freq. N. 3099000 GHz         Radio Stat. None           Ref 30.00 dBm         Ref 30.00 dBm         Ref 30.00 dBm           Iz         Stop Freq.         RBW         Frequency           Stop Stop Freq.         Stop Freq.         RBW         Frequency           Stop Get         30950 GHz         1         1           Stop Get         30950 GHz         1000 MHz         38155000 GHz. 407 2 dBm         272 0 dB           Stop Get         30950 GHz         1000 MHz         38155000 GHz. 407 2 dBm         272 0 dB           Stop Get         30900 GHz         3000 GHz         3900 GHz	3.939990000 GHz         Center Free 139990000 GHz         Radio Stat. Hore Training Free Num         Argited. 5000         Radio Stat. Hore Training Free Num         Radio Stat. Hore Training Free Num         Argited. 5000         Radio Stat. Hore Training Free Num         Radi	Ref 000-000 GHz         Center Freq 3.359900000 GHz         Radio Stat. Hone Trig Free Nam         Avegitedit. 2000           Ref 000-00 GHz         Trig Street Nam         Avegitedit. 2000         Radio Stat. Hone Radio Stat. Hone           Ref 000-01 GHz         Trig Street Nam         Avegitedit. 2000         Radio Stat. Hone           Ref 00-01 GHz         Trig Street Nam         Avegitedit. 2000         Radio Stat. Hone           Ref 00-01 GHz         Trig Stat         Stop Freq         Stop Freq         Stop Freq           3.82 GHz         Stop Freq         RBW         Frequency         Amplitude         A Limit           3.8200 GHz         38950 GHz         1000 MHz         3319150000 CHz         420 2 GHm         272 20 Bl           3 36950 GHz         1000 MHz         3319150000 CHz         420 2 GHm         272 20 Bl           3 36950 GHz         1000 MHz         3391950000 CHz         420 2 GHm         272 70 Bl           3 36950 GHz         3000 GHz         2000 OHz         1000 MHz         3391950000 CHz         420 2 GHm         272 70 Bl           3 36950 GHz         3000 GHz         200 OHz         3990 90000 CHz         420 3 GHm         3140 GB           3 3980 GHz         3990 9000 CHz         3990 9000 CHz         3500 CHz         3990 90000 CHz

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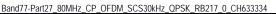
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台灣檢驗科技關	股份有限公司

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### Band77-Part27\_80MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB217\_0\_CH632668

- Real	BA SHEDUR	n Americant - Second	A Distances		STREE MIT				10000
Cent		3.490020		Trig:	r Freq: 3.4900200		30/30	Radio Std. None Radio Device B	Frequency
10 dB		Ref Offset 16 Ref 30.00 d		-	1. 20 00	_		Radio Device. D	13
ling	dis.	Rei 30.00 (					-	T	
10.0							_		Center Freq 3.490020000 GHz
NED-			-	-	-	-			
22,0									
100							-		
510			- All			M			
03.9									
Start	3.37 G	Hz						Stop 3.61	GHz CF Step
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Ampli		ALimit	Auto Man
1		3.3700 (201)	3 8450 (124)		3 441/20049 E			1.55 32 08	-
5	2	3 4450 GHz	3 4490 GHz		3 445520000 G			-23.41 dB	FregOffset
3	3	3 4490 GHz	3.4500 GHz		3.449711000 G			-28.01 dB	0 Hz
4	'4	3 4500 GHz	3 5300 GHz		3 496260000 G			-29 64 dB	UHZ
5	5	3 5300 GHz	3.5310 GHz		3.530275000 G			-31.91 dB	
6	6	3 5310 GHz	3.5350 GHz		3 531572000 G			-26.46 dB	
7	1	3 5350 GHz	3 6100 GHz	1 000 MHz	3.540720000 G	Hz -38.50	dBm	-25 50 dB	
									-
NGG .							STAT	tus:	





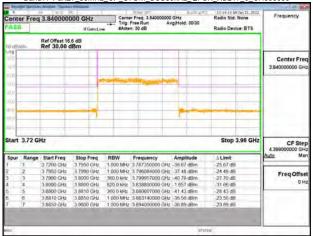
Band77-Part27\_80MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB217\_0\_CH634000

	1.0	3.510000	PG [		Strate (M7) or Freg: 3.510000000		107.32:50 PM Jan 21, 2032 Radio Std: None	Frequency
PASS			#Gaint.o		Free Run Av n: 30 dB	giHold: 30/30	Radio Device: BTS	
10 dB)	div.	Ref Offset 16 Ref 30.00 (						
ing	_							Center Free
10.11				_				3.51000000 GHz
000								
1ED		-		L PORT	and a minerit of a			
22.0		1		1	a provide the	8 a C		
666								
100						-		
150	-							
10.9								
L				-				
start	3.39 G	HZ					Stop 3.63 GHz	CF Step 4.399000000 GHz
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	A Limit	Auto Man
1		3 3080 1701	1 49 77 1244	11 (100 (101)	3 490000000 E-A	.1025dBm	-31(5) dB	-
5	2	3.4850 GHz	3 4690 GHz		3 466708000 GHz		-23.95 dB	Freq Offset
3	3	3 4690 GHz	3 4700 GHz		3 409879000 GHz		-25.08 dB -34.57 dB	0 Hz
4	4 5	3 4700 GHz 3 5500 GHz	3 5500 GHz 3 5510 GHz		3.471280000 GHz 3.550061000 GHz		-34 57 dB -31 00 dB	
0	6	3 5510 GHz	3 5550 GHz		3.551332000 GHz		-31.00 dB	
7	7	3 5550 GHz	3 6300 GHz		3 629400000 GHz		-25.89 dB	
-	-	a second Ging	3 0300 GH2	a wat wang	a versoodoo cine	SU UT UDIN	2210200	
						STAT		

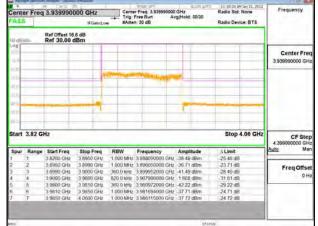




Band77-Part27\_80MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB217\_0\_CH656000



Band77-Part27\_80MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB217\_0\_CH662666



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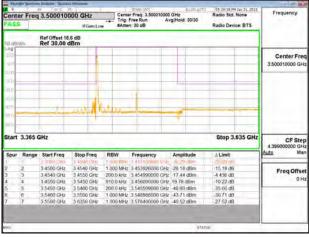
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Band77-Part27\_90MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_0\_CH633000

Cente		3.495000	000 GHz FGente				00 GHz AvgiHold	4. 30/30	Radio Std Radio Der		Frequency
Ref Offset 16.6 dB											
10.0					_						Center Freq 3.495000000 GHz
100		-						-	-		
600					+				-		
	-			-			7			-	
Start	3.36 G	Hz	-	-	-			-	Stop	3.63 GHz	CF Step 4 39900000 GH
Spur	Range	Start Freq	Stop Freq	RBW	F	requency	Атр	litude	ALImit		Auto Mar
1		3 3990 0911	3 #450 (124)	11000	phi di 4	ACTIVATIONS ET	11.00	a dama	1-35-101 08		-
5	2	3.4450 GHz	3 4490 GHz			449000000 Gł			-19 98 dt		Freq Offsel
3	3	3 4490 GHz	3 4500 GHz	200.0 9		449999000 GH			-7.540 dE		OH
4	4	3 4500 GHz	3 5400 GHz			450990000 GP			-12.61 dB		011
5	5	3 5400 GHz	3.5410 GHz			540468000 GH			-36.45 dt		
6	6	3 5410 GHz	3 5450 GHz			542280000 GH			-30.99 dt		
7	1	3 5450 GHz	3 6300 GHz	1.000 8	8Hz 3.5	565230000 Gr	2 407	8 dBm	-27.78 df	1	
-								STAT	-		

Band77-Part27\_90MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_0\_CH633334



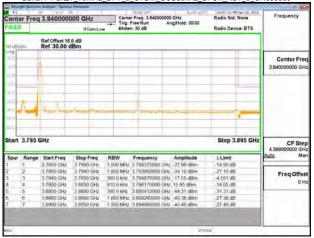
Band77-Part27\_90MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_0\_CH633666

10.1	1.0		R. Law	-	STASE (NT) or Fred: 3.504990000	41944070	05 44 52 PM Jan 21, Radio Std. None	2022 Frequency
PASS		3.504990	IFGentlo	Trig:		giHold: 30/30	Radio Device: BT:	111111
10 dB)	div.	Ref Offset 16 Ref 30.00						
100 100								Center Free 3.504990000 GH
100								
20,0 33,0 -		_			+			
400	-			-				
103								
Start	3.37 G	Hz	-	-			Stop 3.64 C	GHZ CF Step 4.399000000 GH
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ALimit	Auto Mar
1		3.37TD CPU	3 4560 (24)		3 411320000 E-X		1-35 (T) dB	
2	2	3 4550 GHz	3 4590 GHz		3 456182000 GHz		-31.34 dB	FregOffse
3	3	3 4590 GHz	3 4600 GHz		3.459972000 GHz		-7.358 dB	OH
4	4	3 4600 GHz 3 5500 GHz	3 5500 GHz 3 5510 GHz		3 461340000 GHz		-9275 dB	
5	5	3 5510 GHz	3 5550 GHz		3.550805000 GHz 3.553342000 GHz		-36 73 dB -31.04 dB	-
7	7	3 5550 GHz	3 6400 GHz		3 604970000 GHz		-26 22 dB	-
		Junio Gra	3 0400 GH2	a cool carde	a over 10000 Gra	AT 22 GDm	20 86 00	

Band77-Part27\_90MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_0\_CH649668

Frequency	Radio Std: None Radio Device: BTS		2 30/30		reg: 3.74502 e Run				3.745020		Cente
	ICH DTS	Radio Dei		-	0 08	BADE	FGentLow	16.6 dB	Ref Offset 16	-	
				_			_	0 dBm	Ref 30.00	div.	10 dB)
Center Fre	-							-			10.0
		-	-	-		-	+	-		-	200 -
											200
		-			1	-	4	1	1.1		100
	£			-	-		1-		-	-	100
						-	-				105
CF Ste 4 39900000 GF	p 3.8 GHz	Sto							Hz	3.69 G	Start
Auto Ma			litude	A	requency	BW	p Freq	Sto	Start Freq	Range	Spur
		-20.86 dE			693485000				3 6900 GHz	1	1
FregOffse		-23.34 d£			698976000				3,6950 GHz		2
01		-9.333 dE			699978000				3 6990 GHz		3
		-13 27 dE			701010000				3 7000 GHz		4
-		-30.53 dt			790365000				3 7900 GHz		5
		-26 97 dE			794876000				3 7910 GHz		6
	1	-26.62 dt	2 dElm	312 3	795190000	000 MP42	00 GHz	2 3.80	3 7950 GHz	7	7

Band77-Part27 90MHz DFT s OFDM SCS30kHz BPSK RB1 0 CH656000



Band77-Part27\_90MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_0\_CH662332

Frequency	Radio Std: None Radio Device: BTS		giHold: 30/30	r Freq: 3.9349500 Free Run n: 30 dB	Trig:	FGentee			
							Ref Offset 16. Ref 30.00 c		10 dB)
Center Fre 3.934980000 Gr									10.0
-									- 000 100
		-	_	-	-				20,0
	-		_	And	-	-	1 al	-	100.0
									51.0
CF Ste	3.99 GHz	Stop					Hz	3.88 G	10.1
CF Ste 4.39900000 Gr Auto M	3.99 GHz	Stop	Amplitude	Frequency	RBW	Stop Freg	Hz Start Freg	200	10.1
4.399000000 G	3.99 GHz			Frequency 3 882340000 G		Stop Freq 3 8850 GHz		Range	Start
4.399000000 Gi <u>Auto</u> Mi	3.99 GHz	ALimit	-38 33 dBm		1.000 MHz		Start Freq	Range	Start
4.399000000 Gi Auto Mi Freq Offs	3.99 GHz	Δ Limit -25,33 dB	-38 33 dBm	3882340000 G	1.000 MHz 1.000 MHz	3.8850 GHz	Start Freq 3 8800 GHz	Range 1 2 3	Start
4.399000000 Gi <u>Auto</u> Mi	3.99 GHz	A Limit -25.33 dB -16.19 dB	-38 33 dBm -29 19 dBm -17 42 dBm	3 882340000 Gi 3 888948000 Gi	1.000 MHz 1.000 MHz 360.0 RHz	3 8850 GHz 3 8890 GHz	Start Freq 3 8800 GHz 3 8850 GHz	Range 1 2 3 4	Start
4.399000000 Gi Auto Mi Freq Offs		A Limit -25.33 dB -16.19 dB -4.416 dB -10.77 dB -30.81 dB	-38 33 dBm -29 19 dBm 17 42 dBm 19 23 dBm -43 81 dBm	3 882340000 G 3 888948000 G 3 889951000 G 3 899970000 G 3 890970000 G 3 960523000 G	1.000 MHz 1.000 MHz 360.0 KHz 910 0 kHz 360.0 kHz	3 8850 GHz 3 8890 GHz 3 8900 GHz 3 9900 GHz 3 9600 GHz 3 9810 GHz	Start Freq 3 8800 GHz 3 8850 GHz 3 8890 GHz 3 8900 GHz 3 9900 GHz	Range 1 2 3 4 5	Start
4.399000000 Gi Auto Mi Freq Offs		A Limit -25.33 dB -16.19 dB -4.416 dB -10.77 dB	-38 33 dBm -29 19 dBm -17 42 dBm -19 23 dBm -43 81 dBm -39 91 dBm	3 882340000 Gi 3 888948000 Gi 3 889951000 Gi 3 890970000 Gi	1.000 MHz 1.000 MHz 360.0 KHz 910.0 KHz 360.0 KHz 1.000 MHz	3 8850 GHz 3 8890 GHz 3 8900 GHz 3 9000 GHz	Start Freq 3 8800 GHz 3 8850 GHz 3 8890 GHz 3 8900 GHz	Range 1 2 3 4 5 6	Start

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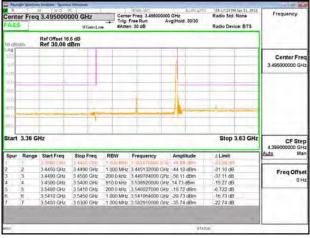
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### Band77-Part27\_90MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_1\_CH649668

Any a	WATER COLOR	Anna Sam	in Pression						110 00
		3.745020	000 GHz	Trip:	Free Run n: 30 dB	000 GHz AvgiHold: 30/3	Radio St	rvice: BTS	Frequency
10 dB	ully.	Ref Offset 16 Ref 30.00 d							
-0.0									Center Freq 3.745020000 GHz
1000 - 1000 - 20,00 -	_								
200 -	-	-		-	-		_	-	
Start	3.69 G	Hz				-	Ste	op 3.8 GHz	CF Step
Sour		Start Freg	Stop Freg	RBW			-	1000	4.399000000 GHz Auto Man
spur	reange	3 6900 GHz	3.6950 GHz		Frequency 3.693950000 0	Amplitude			
2	3	3 6950 GHz	3 6990 GHz		3 698992000 0				0.0331
3	3	3 6990 GHz	3 7000 GHz		3 700013000 0				FreqOffset
4	4	3 7000 GHz	3 7900 GHz	9100 kHz	3.701550000 G	Hz 8.084 dBm	-21 92 0		0 Hz
5	5	3 7900 GHz	3.7910 GHz	360 0 kHz	3 790449000 0	Hz 42 88 dBm	-29.88.0	16	-
6	6	3 7910 GHz	3.7950 GHz	1 000 MHz	3 792752000 0	Hz 40 04 dBm	-27.04 c	16	
7	1	3 7950 GHz	3 8000 GHz	3 000 MPHz	3 799610000 0	94z - 39 98 dBm	-26.98 c	Bi	
190	_			_			STATUS		-

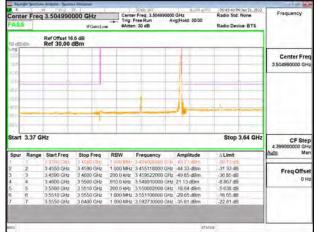
Band77-Part27 90MHz DFT s OFDM SCS30kHz BPSK RB1 244 CH633000



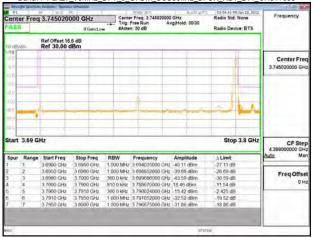
Band77-Part27\_90MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_244\_CH633334

		3.500010		Trig:		GHz g Hold: 30/30	Radio Std: None	Frequency
PASS			#Gain:Lo	· FADe	n: 30 dB		Radio Device: BTS	
10 dB	div.	Ref Offset 16 Ref 30.00 d						
Poll -	_							4.399000000 GHz Auto Man Freq Offset
12.0		-				1		
000		-				-	-	
100						1	-	
22,0				-		-	-	
310-		_		_	-	1		
200-	_		-	_	-	1 Holtom	Annu	
100	-					~ 1		
10.5			-		-		-	
Start	3.365	GHz		-		_	Stop 3.635 GHz	
Spur	Range	Start Freg	Stop Freg	RBW	Frequency	Amplitude	ALImit	
1	1	3.3650 GHz	3.4500 GHz	1.000 MHz	3 371810000 GHz	-44 85 dBm	-31.85 dB	
2	2	3 4500 GHz	3 4540 GHz		3 451174000 GHz		-31.30 dB	FreqOffset
3	3	3 4540 GHz	3 4550 GHz		3.454166000 GHz		-37.14 dB	0 Hz
4	'4	3 4550 GHz	3 5450 GHz		3.543570000 GHz		-17 27 dB	0 114
5	5	3 5450 GHz	3.5460 GHz		3.545052000 GHz		-8.407 dB	
6	6	3 5460 GHz	3.5500 GHz		3 548086000 GHz		.15.54 dB	
7	1	3 5500 GHz	3 6350 GHz	3 000 MHz	3.588090000 GHz	-33 04 dBm	-20 04 dB	
						174		ļi

Band77-Part27\_90MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_244\_CH633666



Band77-Part27\_90MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_244\_CH649668



Band77-Part27\_90MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_244\_CH656000

Cente		3.840000	000 GHz	Trip:	r Freq: 3.840000 Free Run n: 30 dB	Avg/Hold	30/30	Radio St	d: None rvice: BTS	Frequency
10 dB	-	Ref Offset 16	.6 dB			-		Radio Di	not una	
Log	dis.	Rei 30.00 (	10111	1		_	-	1		
-0.0		-			_				1	Center Free 3.840000000 GH
- 000										-
22.0										
0.00		-	_	_	1	_		-		
200	-			-		~	-		-	
650-										
L						-		_		
Start	3.785	GHz						Stop	3.895 GHz	CF Ste
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Ampli	tude	ALImit		Auto Ma
1	1	3.7850 GHz	3 7900 GHz	1.000 MHz	3 789435000 G	H2 40 01	delmi	-27.01 d	8	
2	2	3 7900 GHz	3 7940 GHz	1 000 MHz	3 792544000 0	Hz 39 84	dBm	-26,84 d	6	FreqOffse
3	3	3 7940 GHz	3.7950 GHz	360.0 RHz	3.794442000 G	Hz -43-44	dBm	-30.44 d	Ð	OH
4	4	3.7950 GHz	3 8850 GHz		3.884100000 G			-10.62.d		04
5	5	3.8850 GHz	3 8880 GHz		3.885028000 G			-4.401 d		
6	6	3 8860 GHz	3.8900 GHz		3 886052000 G			-21.20 d		
7	1	3 8900 GHz	3 8950 GHz	1 000 MHz	3 891505000 G	Hz -31 60	dBm	-18 80 d	8	
										1

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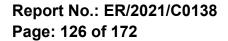
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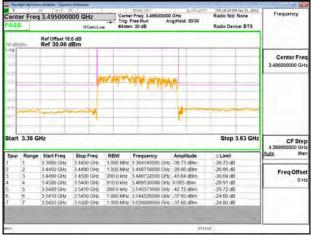
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#### Band77-Part27\_90MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_244\_CH662332

		3.934980	000 GHz		er Freq: 3.9345500 Free Run		30/30	Radio Std	MJan 20, 3033 None	Frequency
PASS			FGento	#Ane	n: 30 dB			Radio Dev	ice: BTS	
10 dB)	div.	Ref Offset 16 Ref 30.00 d								
10 g 10 0										Center Fred 3.934980000 GHz
1000 1000 1000	_									
100					-		~	-	-	
1010- 1015										
Start	3.88 G	Hz						Stop	3.99 GHz	CF Step 4.399000000 GHs
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplit	tude	ALimit	-	Auto Mar
1	1	3 8800 GHz	3 8850 GHz	1.000 MHz	3 882975000 GM	12 -40.43	dElmi	-27.43 dB		
5	2	3 8850 GHz	3 8890 GHz		3 884960000 GH			-27.26 dB		Freq Offset
3	3	3 8890 GHz	3.8900 GHz		3.889684000 GH			-31.07 dB		0 Ha
4	'4	3.8900 GHz	3 9800 GHz		3.979080000 Gi			-10 22 dB		0 114
5	5	3 9800 GHz	3.9810 GHz		3 980011000 GH			-7.747 dB		
6	6	3 9810 GHz	3.9850 GHz		3 980984000 GH			-21.81 dB		
/	-	3 9850 GHz	3.9900 GHz	3 000 6042	3 987425000 Gr	uz - 39 12 (	deim	-26.12 dB	-	
-							STAT		-	

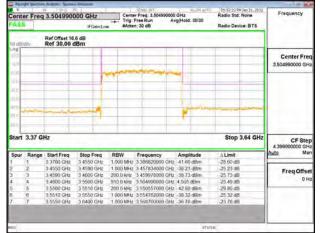
Band77-Part27 90MHz DFT s OFDM SCS30kHz BPSK RB243 0 CH633000



Band77-Part27\_90MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB243\_0\_CH633334

Frequency		Radio Std.	PR 4010		3.500010000	Free R	Trip:	łz	000 G	3.5000100		
	ice: BTS	Radio Devi				n: 30 d	EActer	Gentlow	IF	_		PAS
								1		Ref Offset 16 Ref 30.00 c		eb UP
Center Freq 3.500010000 GH2 4.39000000 GH2 4.39000000 GH2 Auto Men Freq Offse 9H2												- ng
			_	0	where we want	ren.	-		_		-	000
												20.0
												and -
						-		1	-	-	-prode	51.0
										_		(015)
	.635 GHz	Stop 3								Hz	3.365 0	Start
Auto Mar		ALImit	de	Amplit	ency	Freq	RBW	Freq	Stop	Start Freq	Range	Spur
		-27.67 dB	3em	-40.67	20008 GHz	3 413	.000 MHz	GH2	3.450	3.3650 GHz	1	1
Freq Offse		-28.00 dB			34000 GHz				3 454	3 4500 GHz	2	5
		-27.12 dB			98000 GHz				3 455	3 4540 GHz		3
411		-27 22 dB			40000 GHz				3 545	3 4550 GHz		4
		-26:77 dB			59000 GHz				3.540	3 5450 GHz		5
		-23.58 dB -24.89 dB			98000 GHz 60000 GHz				3.550	3 5460 GHz 3 5500 GHz	6	0
	-	-24 89 08	100	-31.091	COUCH) GRZ	01.554	UCU MPRZ	GHI	3 635	a scoul GHz	r	1

Band77-Part27\_90MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB243\_0\_CH633666



Band77-Part27 90MHz DFT s OFDM SCS30kHz BPSK RB243 0 CH649668



Band77-Part27\_90MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB243\_0\_CH656000



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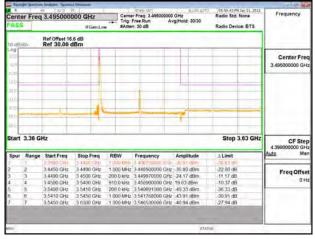
# Report No.: ER/2021/C0138 Page: 127 of 172



#### Band77-Part27\_90MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB243\_0\_CH662332

Cente	er Fred	3.934980	000 GHz		er Freq: 3.9349500		Radio Std	H Jan 20, 2022 I: None	Frequency
PASS			FGento		Free Run en: 30 dB	Avg Hold: 30/30	Radio De	ice: BTS	
10 dB)	div.	Ref Offset 16 Ref 30.00 (							
1000 1000									Center Free 3.934980000 GHz
1000				1	and the second	A LANGER	www.ww		
10.0	-								
101.07 (02.50						_			
Start	3.88 G	Hz					Stop	3.99 GHz	CF Step 4.399000000 GH
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ALImit		Auto Mar
1	1	3 8800 GHz	3 8850 GHz	1.000 MH	3 890260000 GH	12 -36:35-dBm	-23.35 df	3	
5	2	3 8850 GHz	3 8890 GHz		3 887060000 Gł		-72.43 d£		Freq Offsel
3	3	3 8890 GHz	3.8900 GHŁ		3.889512000 GH		-28 98 dE		0 Ha
4	'4	3.8900 GHz	3 9800 GHz		3.900600000 GI		-27 00 df		011
5	5	3 9800 GHz	3.9810 GHz		3 980263000 GH		-26.60 dt		
6	6	3 9810 GHz	3.9850 GHz		1 3 981036000 GR		-22.43 dE		
/	-	3 9850 GHz	3.9900 GHz	3 000 MH	3 987390000 Gi	12 -37 35 delm	-24 35 dE	1	
-							471.0	-	

Band77-Part27 90MHz CP OFDM SCS30kHz QPSK RB1 0 CH633000



Band77-Part27\_90MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_0\_CH633334

		3.500010	000 GHz	Trip:		GHz gHold: 30/30	Radio Std. None	Frequency
PAS			#Gaintlo	. EAtte	n: 30 dB		Radio Device: B	rs
10 dB	div.	Ref Offset 16 Ref 30.00 d						
ling								4.399000000 GHz
10.11								
								3.500010000 GH
0.00								
15D						-		-
22,0					-	-		
33.6				-	-	_		
400-	-			An		-		
MIC-	100	- de		and Charles and				
(0)						-		-
Start	3.365	GHz	-	-		-	Stop 3.635	Cr ales
Spur	Range	Start Freg	Stop Freg	RBW	Frequency	Amplitude	ALimit	
1	1	3 3/60 2/11	3 4500 (24)	1 000 505	34117680000 010	40 #3 dem	-37.49.08	
2	2	3 4500 GHz	3 4540 GHz		3 453694000 GHz		-23.07 dB	FregOffse
3	3	3 4540 GHz	3 4550 GHz	200.0 RHz	3.455010000 GHz		-7.078 dB	OH
4	'4	3 4550 GHz	3 5450 GHz		3 456180000 GHz		-17.46 dB	0.0
5	5	3 5450 GHz	3 5400 GHz		3.545528000 GHz		-36.67 dB	
6	6	3 5460 GHz	3.5500 GHz		3 547002000 GHz		-30 42 dB	
7	1	3 5500 GHz	3 6350 GHz	3 000 MHz	3.578400000 GHz	-41,04 dElm	-28 04 dB	

Band77-Part27\_90MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_0\_CH633666



Band77-Part27 90MHz CP OFDM SCS30kHz QPSK RB1 0 CH649668



Band77-Part27\_90MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_0\_CH656000

Frequency		Radio Std. Radio Dev	r old: 30/30		r Freq: 3.8 Free Run 1: 30 dB	Trig:	GHz	84000000	req		Cen
Center Freq 3.4000000 GHz 4.3900000 GHz Auto Man Freq Offset								offset 16.6 of 30.00 dB		Bildiv	
										-	Log also also
					-				1		
	-				1			1. 1			and Ami
	-				-						101 (P
Cr step	nt 3,785 GHz Stop 3,895 GHz									Star	
Auto Ma		ALimit	plitude	y	Frequen	RBW	top Freq	tart Freg	rige	Ir R	Spu
		-20.15 dB	15 dBm	00 GHz	3 788380	1.000 MHz	7900 GHz	7850 GHz 3		1	1
Fren Offse		-19.57 dB				1 000 MHz	7940 GHz			2	2
OH		-5.561 dB				360.0 RHz	7950 GH#			3	3
		-13 18 dB				910 0 kHz	8850 GHZ			'4	4
		-31.01 dB				360 0 kHz	8980 GHz			5	5
		-27 17 dB				1 000 MHz 1 000 MHz	9900 GHz 9950 GHz			6	0.
		1-21-37.00	ST. GERT	in caue -	3 0332 10	a source early	and and	unou sanz ja		11	

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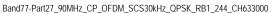
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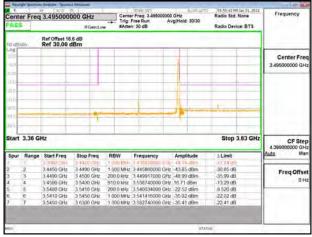
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# Report No.: ER/2021/C0138 Page: 128 of 172

#### Band77-Part27\_90MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_0\_CH662332

Frequency		Radio Std.	411PK 4010		Freq: 3.93495 ee Run 30 dB	Trig: I	00 GHz	3.9349800		Cent
							6 dB	Ref Offset 16. Ref 30.00 d		10 dB
Center Freq 3:934980000 GHz 4:39800000 GHz 4:39800000 GHz 4:39800000 GHz 4:39800000 GHz 4:39800000 GHz 4:39800000 GHz 4:39800000 GHz 4:39800000 GHz 4:3980000 GHz 4:39800000 GHZ 4:398000000000000000000000000000000000000										10.0
									-	100 100
	-		-	_				12-12	-	000- 0
					-					1010
4.399000000 GR	3.99 GHz	Stop	-			-	-	łz	3.88 GI	Start
Auto Mi		ALImit	litude	1	Frequency	RBW	Stop Freq	Start Freq	Range	Spur
		-25.32 dB	2 dBm	3842 -3	882605000	1.000 MHz	3 8850 GHz	3 8800 GHz	1	1
FreqOffs	-	-20.14 dB			\$\$8924000		3 8890 GHz	3 8850 GHz		5
	-	-5.510 dB			889958000		3.8900 GHz	3 8890 GHz		3
0,		-12.91 dB			890970000		3 9800 GHz	3.8900 GHz		4
-	-	-30 70 dB			990285000		3.9810 GHz	3 9800 GHz		5
	-	-26 83 dB			980992000		3.9850 GHz	3 9810 GHz		6
	in the second	-26.68 dB	S dElm	SHL -	985450000	1 000 MHz	3.9900 GH2	3 9850 GHz	7	7





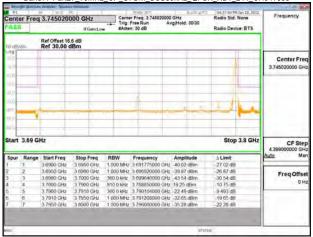
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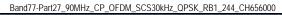
		3.500010	000 GHz		Free Run Av	GHz giHold: 30/30	Radio Std. No		Frequency
PASS			iFGairc1.or		n: 30 dB	a secondaria	Radio Device	BTS	
1d dBA	div.	Ref Offset 16 Ref 30.00 d							
ling					1		T L		1.000
10.11						1			Center Fred 3.500010000 GHz
				-					3.500010000 GHS
0.00									
1ED						<u>*</u>		-	
22,0 -					_	1	-	_	
33.6									
40				1	- Andrew Market	V Umm	and the second second	_	
510			1			- F	-	-	
(0.5)								-	
Start	3.365	GHZ		-			Stop 3.63	5 GHz	CF Step 4.39900000 GH
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ALimit		Auto Mar
1	1	3 3/69 CM	3 459/1 (1242		3 4 TU MODAR ET IN		31101 dB	-	
5	2	3 4500 GHz	3 4540 GHz		3 450670000 GHz		-30.67 dB		Freq Offset
3	3	3 4540 GHz	3 4550 GHz		3 454428000 GHz		-37.21 dB	-	0 Hz
4	4	3 4550 GHz 3 5450 GHz	3 5450 GHz 3 5460 GHz		3.544380000 GHz 3.545031000 GHz		-12.75 dB	-	
9	6	3 5450 GHz	3.5900 GHz		3.548430000 GHz		-11.10 GB		
7	7	3 5500 GHz	3 6350 GHz		3 587410000 GHz		-25 71 dB		
-	-		Sector Sector	-		Contraction of the local division of the loc			
								100	



Cent		3.504990	000 GHz	Trig:	Free Run n: 30 dB	0 GHz vgHold: 30/30	Radio Std: None Radio Device: BTS	Frequency
10 dB)	div.	Ref Offset 16						
Ling								1
10.0					_			Center Freq 3.504990000 GHz
nin-				-	_	-	_	
1ED		-			-		-	
20.0		1		-	_			
6.00				_	-			
100				_	-		- i -	
150			-	-		-		
109								
Start	3.37 G	Hz	-	-			Stop 3.64 GH	Z CF Step 4.399000000 GHz
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ALImit	Auto Man
1	11	3 3700 (201)	1 49.67 (194)	1 (10) 1011	3 4 1940000 ET	45 T2 dam	-30 17 dB	
2	2	3 4550 GHz	3 4590 GHz	1 000 MHz	3 457234000 GH	z -44 20 dEm	-31 20 dB	FregOffset
3	3	3 4590 GHz	3 4600 GHz	200.0 RHz	3.459875000 GH	z -49 75 dBm	-36.75 dB	
4	4	3 4600 GHz	3 5500 GHz	910 0 kHz	3.548910000 GH	z 8.308 dBm	-21 69 dB	0 Hz
5	5	3 5500 GHz	3.5510 GHz	200.0 kHz	3.550079000 GH	z -21.42 dBm	-8.421 dB	1
6	6	3.5510 GHz	3 5550 GHz	1 000 MHz	3 551182000 GH	2 -32.74 dBm	-19.74 dB	
7	7	3 5550 GHz	3 6400 GHz	1 000 MHz	3.592560000 GH	z -36.91 dBm	-23.91 dB	
- C							7471/5	-

Band77-Part27 90MHz CP OFDM SCS30kHz QPSK RB1 244 CH649668





Frequency		Radio Std Radio Devi	iz fold: 30/30		Center Trig: F #Atter	FGeintow	3.8400000		Cente	
		Ref Offset 16.5 dB Ref 30.00 dBm								
Center Fre 3.840000000 GH									10.0	
									1000 -	
	1	1	-			_	-		20	
	1 1	1.			-	-	-	-	200-	
	-		- has -					-	anti-	
									Ings	
CF Ste 4 39900000 GH	.895 GHz	Stop 3	-		-	_	SHZ	3.785 0	Start	
Auto Ma		ALImit	mplitude	requency	RBW	Stop Freq	Start Freg	Range	Spur	
		-26 76 dB	976 dBm	787370000 GHz	1.000 MHz	3.7900 GHz	3.7850 GHz	1	1	
		-26.97 dB	0.07 Hiller	792932008 GHz	1 000 MHz	3 7940 GHz	3 7900 GHz		2	
FrenOffse										
FreqOffse		-30.56 dB	3.56 dBm	794722000 GHz		3.7950 GHz	3 7940 GHz		3	
Freq Offse		-30.56 dB -14.68 dB	3.56 dBm 32 dBm	794722000 GHz 883920000 GHz	910 0 kHz	3.8850 GHz	3 7940 GHz 3 7950 GHz	4	3	
		-30.56 dB -14.68 dB -12.23 dB	3.56 dBm 32 dBm 5.23 dBm	794722000 GHz 883920000 GHz 885105000 GHz	910 0 kHz 360 0 kHz	3 8850 GHz 3 8860 GHz	3 7940 GHz 3 7950 GHz 3 8850 GHz	4	3 4 5	
		-30.56 dB -14.68 dB	3.56 dBm 32 dBm 3.23 dBm 3.35 dBm	794722000 GHz 883920000 GHz	910 0 kHz 360 0 kHz 1 000 MHz	3.8850 GHz	3 7940 GHz 3 7950 GHz	4	3 4 5 6	

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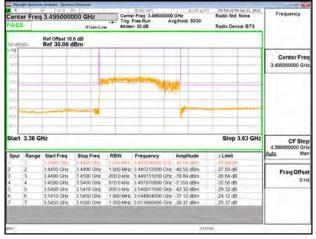
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# Report No.: ER/2021/C0138 Page: 129 of 172

### Band77-Part27\_90MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_244\_CH662332

Anyo	W Seven Links	Annier-Soom	of Printeen								100 000
		3.934980	000 GHz FGento	Trig:	Freq: 3.93495 Free Run n: 30 dB			0/30	Radio Der		Frequency
10 dB	div.	Ref Offset 16.6 dB Ref 30.00 dBm									
10.0					-						Center Free 3.934980000 GH
										-	
ante arres	-			-	1	-	-	-	-	-	
1010							1				
Start	3.88 G	Hz	-	-	_	-			Stop	3.99 GHz	CF Step 4.399000000 GH:
Spur	Range	Start Freq	Stop Freq	RBW	Frequency		Amplitu	de	ALImit		Auto Mar
1	1	3 8800 GHz	3 8850 GHz		3.882685000				-27.61 df		
2	2	3 8850 GHz	3 8890 GHz		3 687608000				-27.45 d£		Freq Offsel
3	3	3 8890 GHz	3.8900 GHz		3.889589000				-31,31 dE		0 Ha
4	'4	3.8900 GHz	3 9600 GHz		3.979170000				-13.70 dt		011
5	5	3 9600 GHz	3.9810 GHz		3 980057000				-8 968 dt		-
6	6	3 9810 GHz	3.9850 GHz		3 981184000				-23.46 dt		
7	1	3 9850 GHz	3.9900 GHz	3 000 MHz	3.985760000	GHZ -	34.93 Q	elm.	-26.63 df		
100	-					-		STATU		-	

### Band77-Part27 90MHz CP OFDM SCS30kHz QPSK RB245 0 CH633000



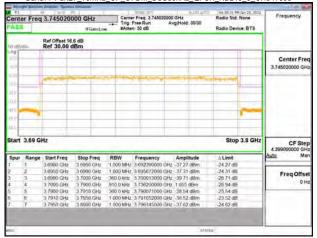
Band77-Part27\_90MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB245\_0\_CH633334

		3.500010	000 GHz		Free Run Av	GHz gHold: 30/30	Radio Std. None	Frequency
PASS			FGainLo	#Ann	n: 30 dB		Radio Device: BTS	
10 dB)	elle-	Ref Offset 16 Ref 30.00 d						
Log				_				Center Fred
12.0		-		-	_			3.500010000 GHz
n(in -				-	-			
100		-	-	((), ()		-		
22,0		1		_			10 million (10 million)	
6.00				_	-	_		
are		_	-	-	-	-		
51.0					_	C		
035			-	_	-	<u> </u>		
Start	3.365	GHZ		-	_	-	Stop 3.635 GHz	CF Step 4.39900000 GHz
Spur	Range	Start Freg	Stop Freg	RBW	Frequency	Amplitude	A Limit	Auto Man
1	1	3.3650 GHz	3.4500 GHz	1.000 MHz	3 442700000 GHz	-38 89 dBm	-25 89 dB	
2	2	3 4500 GHz	3 4540 GHz		3 453110000 GHz		-23.10 dB	Freq Offset
3	3	3 4540 GHz	3 4550 GHz		3.454220000 GHz		-29.16 dB	0 Hz
4	4	3 4550 GHz 3 5450 GHz	3 5450 GHz 3 5460 GHz		3.471390000 GHz 3.545801000 GHz		-29 76 dB -29 90 dB	
8	6	3 5450 GHz	3 5400 GHz		3.545801000 GHz 3.546266000 GHz		-29.90 db -24.03 dB	
7	1	3 5500 GHz	3 6350 GHz		3 562080000 GHz		-25 57 dB	
1	-		and the second		and the second second			

Band77-Part27\_90MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB245\_0\_CH633666



Band77-Part27\_90MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB245\_0\_CH649668



Band77-Part27\_90MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB245\_0\_CH656000

PASS		3.840000	000 GHz IFGeinLo	Trig:	r Freq: 3.840000000 Free Run Av n: 30 dB	GHz gjHold: 30/30	Radio Std Radio Dev		Frequency
10 dBA	div.	Ref Offset 16 Ref 30.00							
10.0 -									Center Free 3.840000000 GH
1000		ant al	in market	ر بالحريقية ا	marine	appr.	mail an		
20.0		-			-	-	-	-	
and a	-								
55.0			_	-				-	
(0)			-						
Start	3.785	GHz					Stop 3	.895 GHz	CF Step 4 39900000 GH
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	A Limit		Auto Ma
1	1	3.7850 GHz	3 7900 GHz		3 789755000 GHz		-24.03 dB		
5	2	3 7900 GHz	3 7940 GHz		3 793312000 GHz		-24.00 dB		Freq Offse
3	3	3 7940 GHz	3.7950 GHz		3.794998000 GHz		-25.36 dB		OH
4	4	3.7950 GHz	3.8850 GHz		3.834690000 GHz		-31 20 dB		
5	5	3.8850 GHz	3.8880 GHz		3 885058000 GHz		-29.88 dB		
6	6	3 8860 GHz	3.8900 GHz		3 886128000 GHz		-24.54 dB		
7	7	3 8900 GHz	3.8950 GHz	3 000 MHz	3 894440000 GHz	-37.55 dBim	-24.55 dB	-	

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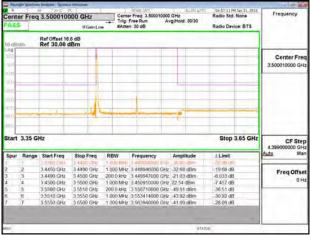
# Report No.: ER/2021/C0138 Page: 130 of 172



#### Band77-Part27\_90MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB245\_0\_CH662332

Cent		3.934980	000 GHz	T	ig: Fr	Freq: 3.9349500 rev Run 30 dB	00 GHz AvgiHold	4.1PN 4010	Radio Std		Frequency	
10 dB	MIN.	Ref Offset 16 Ref 30.00 (	.6 dB									
1000 -											Center Freq 3.934980000 GHz	
100		Provide and			-		a start		A Marine			
20												
ari Nin	-	-	-	-		-				~		
1015												
Start	3.88 G	Hz				1 1			Stop	3.99 GHz	CF Step	
Spur	Range	Start Freq	Stop Freq	RBW		Frequency		litude	A Limit		Auto Mar	
1	1	3 8800 GHz	3.8850 GHz			3.880270000 G			-26 17 dB			
5	2	3 8850 GHz	3 8890 GHz			\$\$8032000 G			-24.53 dB		Freq Offsel	
3	3	3 8890 GHz	3.8900 GHz			889561000 G			28 58 dB		OH	
4	4	3.8900 GHz 3.9800 GHz	3 9800 GHz 3 9810 GHz			922020000 G			-29.89 dB			
5	5	3 9800 GHz 3 9810 GHz	3.9810 GHz 3.9850 GHz			983492000 G			-27.04 dB			
7	0	3 9810 GHz 3 9850 GHz	3.9850 GH2 3.9900 GH2			983492000 G 968240000 G			-24.21 dB			
	-	J Jacob Grig	3 4 4 6 Hz	1,000	area i	1000000	a. ~37 a.	Genel	-2-4-3-06			
-								STAT	s			

Band77-Part27 100MHz DFT s OFDM SCS30kHz BPSK RB1 0 CH633334



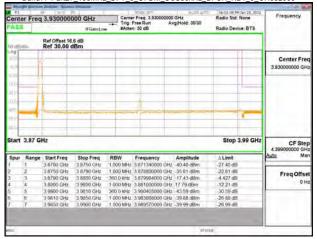
Band77-Part27\_100MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_0\_CH650000

		3.750000	000 GHz	Trip:			30	Radio Std		Frequency
PASS			IFGeirc1.or		n: 30 dB			Radio Dev	ice: BTS	
10 dBa	ale.	Ref Offset 16 Ref 30.00 d								
1000	1									Center Fred 3,75000000 GHz
00) 20,0	-			-		_				
10.00 (arr)	-		-		1				-	e
105										
Start	3.69 G	Hz		-				Stop	3.81 GHz	CF Step 4 39900000 GH
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitud	0	A Limit		Auto Mar
1	1	3 6900 GHz	3.6950 GHz		3.693245000 GH			-26.64 dB		
5	2	3,6950 GHz	3 6990 GHz		3 698976000 GH			-19 92 dB		Freq Offset
3	3	3 6990 GHz	3.7000 GHz		3 699974000 GR			4.037 dB		0 Hz
4	4	3,7000 GHz 3,8000 GHz	3 8000 GHz 3 8010 GHz		3.701000000 GH 3.800215000 GH			-12.66 dB -30.79 dB		
9	5	3 8000 GHz 3 8010 GHz	3.8010 GHz		3.800215000 GH			-30 79 dB -26 60 dB		
7	7	3 8050 GHz	3 8100 GHz		3 802338000 GH			-26 00 dB		
1	-	o areas and	0010001	5 440 UP Q	a bere special care	an in dei		20 14 00		
						_	STATUS		-	

Band77-Part27\_100MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_0\_CH656000

Cent		3.840000	BOO GHZ	Trig:	Free Run	IO GHZ AvgiHold: 30/30	Radio Std Radio Der		Frequency	
10 dB	div.	Ref Officet 16.6 dB Ref 30.00 dBm								
10.0									Center Freq 3.840000000 GHz	
1610 20.0										
(20.0) (arri)	-			-	1			-		
1010						_			_	
Start	3.78 G	Hz	-				Sto	9 3.9 GHz	CF Step 4 39900000 GHz	
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ALimit		Auto Mar	
1	1	3.7800 GHz	3 7850 GHz		3.784915000 GH		-26.42 dE			
5	2	3 7850 GHz	3,7890 GHz		3 768804000 GH		-20,11 dE		Freq Offsel	
3	3	3 7890 GHz	3.7900 GH#		3.789994000 GH		-0 448 dE		0 Ha	
4	4	3.7900 GHz	3.8900 GHz		3 791200000 GH		-13.29 dt		a m	
5	5	3.8900 GHz	3.8910 GHz		3 890764000 GH		-31 28 dE			
7	6	3 8910 GHz 3 8950 GHz	3.8950 GHz 3.9000 GHz		3 891876000 GH 3 895605000 GH		-27.75 dE			
-	-	3 8900 GH2	3 9000 1342	3 000 6042	31245605000164	2 - 14 55 08/8	-29.55 08			
-							16	-		

Band77-Part27 100MHz DFT s OFDM SCS30kHz BPSK RB1 0 CH662000







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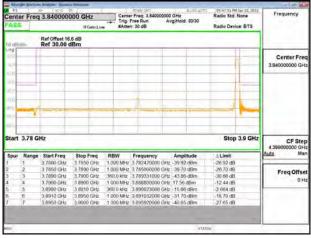
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# Report No.: ER/2021/C0138 Page: 131 of 172

Band77-Part27\_100MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_272\_CH650000

1 HL	an Frank	3.750000	-110 000	Carro	er Freg: 3.750000	4.IPVA		Radio Std	PH Jan 20, 3033	Frequency
PASS	erreq	3.750000	IFGeintlow	Trig:	Free Run n: 30 dB	Avg/Hold: 30/30			vice: BTS	
10 dB	div.	Ref Offset 16 Ref 30.00 d								
and a									1	4.399000000 GHz Auto Man
100 200										
and -	-			-	-		-		-	
105										
Start	3.69 G	Hz	_					Stop	3.81 GHz	4.399000000 GH:
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	11.1	ALImit		Auto Mar
1	1	3.6900 GHz	3.6950 GHz	1.000 MHz	3 693495008 0	3Hz - 39.94 dElm		-26.94 df	3	
2	2	3,6950 GHz	3 6990 GHz	1 000 MHz	3 698196000 0	SHz - 39.73 dElm		26,73 df	ã	FregOffse
3	3	3 6990 GHz	3.7000 GHz	360.0 RHz	3.699082000 0	3Rz -43.59 dBm		30 59 dE	8	
4	4	3,7000 GHz	3 8000 GHz	1 000 MHz	3 799000000 0	Hz 18.42 dBm		11.58 dE	3	OH
5	5	3 8000 GHz	3.8010 GHz	360 0 kHz	3.800123000 0	SHz -17.58 dBm		4 584 dB	5	-
6	6	3 8010 GHz	3.8050 GHz	1 000 MHz	3 801140000 0	SH2 -30 95 dBm		17.95 dt		
7	7	3 8050 GHz	3 8100 GHz	3 000 MPHz	3 807415000 0	SHz -38 71 dBm		-2571 df	B I	
-						-	TATINE	_		

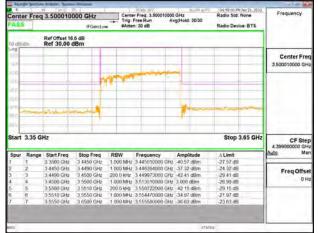
Band77-Part27 100MHz DFT s OFDM SCS30kHz BPSK RB1 272 CH656000



Band77-Part27\_100MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_272\_CH662000

Cente		3.930000		Trig:		GHz gHold: 30/30	Radio Std. I		Frequency
FM22	-		#GaintLo	- EAtter	n: 30 dB		Radio Devic	# BTS	
(U dE/	div.	Ref Offset 16 Ref 30.00 (							
roll.								1.1	Center Free
4.0									193000000 GHz
100								1.1	
whe					_		_		
30 P								-	
100									
-					1		-	100	2
510	Y				-			_	
HT U									
10.5									
Start	rt 3.87 GHz Stop 3.99 GHz								
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	A Limit		Auto Man
1	1	3 8700 GHz	3 8750 GHz	1.000 MHz	3 870305000 GHz	-40 16 dEm	-27.16 dB		
2	2	3 8750 GHz	3 8790 GHz		3 878228000 GHz		-27 58 dB		Freq Offset
3	3	3 8790 GHz	3.8800 GHz		3.879238000 GHz		-30 69 dB	-	0 Hz
4	4	3.8800 GHz	3 9800 GHz		3 930100000 GHz		-58 97 dB	-	0 114
5	5	3 9800 GHz	3.9810 GHz		3 980055000 GHz		-6 436 dB		
6	6	3 9810 GHz	3.9850 GHz		3 981052000 GHz		-19 25 dB	-	
1	1	3 9850 GHz	3.9900 GHz	3 000 MHz	3 969035000 GHz	-40 08 dBm	-27.06 dB	-	

Band77-Part27\_100MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB270\_0\_CH633334



Band77-Part27 100MHz DFT s OFDM SCS30kHz BPSK RB270 0 CH650000



Band77-Part27\_100MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB270\_0\_CH656000

PASS	er Freq	3.840000	IFGainLo	Trig:	r Freq: 3.84000000 Free Run A n: 30 dB	GHz vg Hold: 30/30	1	Std: None Device: BTS	Frequency
10 dB/	div.	Ref Offset 16 Ref 30.00 d							
100 -									Center Free 3.840000000 GHz
00,00		went	and the second	A TON	and a second	and and		4	-
200				1				1	
100-			_	_	-	_	_	-	
and a	-	-	-	-	_		-	1000	
55.0	-				_			-	
105			-		-		-	1.2	
Start	3.78 G	Hz		-			5	top 3.9 GHz	CF Step 4.399000000 GH
		Start Freg	Stop Freq	RBW	Frequency	Amplitude	ALIN	nit	Auto Mar
Spur	Range			4 000 1400	3 784790000 GHD	37-87.00	-24.8	7 dB	
Spur 1	Range	3.7800 GHz	3 7850 GHz						
Spur 1 2	1 2	3 7850 GHz	3,7890 GHz	1 000 MHz	3 785536000 GHz	-36 31 dElm	-23.3		FreqOffse
<b>Spur</b> 1 2 3	1 2 3	3 7850 GHz 3 7890 GHz	3 7890 GHz 3 7900 GHz	1 000 MHz 360.0 RHz	3 785536000 GHz 3 789941000 GHz	-36 31 dElm -36 51 dElm	-23.5	t dB	
<b>Spur</b> 1 2 3 4	1 2 3 4	3 7850 GHz 3 7890 GHz 3 7900 GHz	3 7890 GHz 3 7900 GHz 3 8900 GHz	1 000 MHz 360.0 RHz 1 000 MHz	3 785536000 GHz 3 789941000 GHz 3 884400000 GHz	-36 31 dBm -36 51 dBm 1 963 dBm	-23.5 -28.0	t dB t dB	
5pur 1 2 3 4 5	1 2 3 4 5	3 7850 GHz 3 7890 GHz 3 7900 GHz 3 8900 GHz	3 7890 GHz 3 7900 GHz 3 8900 GHz 3 8910 GHz	1 000 MHz 360.0 KHz 1 000 MHz 360 0 kHz	3 785536000 GHz 3 789941000 GHz 3 884400000 GHz 3 890781000 GHz	-36 31 dBm -36 51 dBm 1 963 dBm -37 17 dBm	-23.5 -28.0 -24.1	1 dB 4 dB 7 dB	
5 6	1 2 3 4 5 6	3 7850 GHz 3 7890 GHz 3 7900 GHz 3 8900 GHz 3 8910 GHz	3 7890 GHz 3 7900 GHz 3 8900 GHz 3 8910 GHz 3 8950 GHz	1 000 MHz 360.0 RHz 1 000 MHz 360 0 kHz 1 000 MHz	3 785536000 GHz 3 789941000 GHz 3 884400000 GHz 3 890781000 GHz 3 893532000 GHz	-36 31 dBm -36 51 dBm 1 963 dBm -37 17 dBm -33 09 dBm	23.5 -28.0 -24.1 -20.0	1 dB 4 dB 7 dB 9 dB	
Spur 1 2 3 1 5 3 7	1 2 3 4 5	3 7850 GHz 3 7890 GHz 3 7900 GHz 3 8900 GHz	3 7890 GHz 3 7900 GHz 3 8900 GHz 3 8910 GHz	1 000 MHz 360.0 RHz 1 000 MHz 360 0 kHz 1 000 MHz	3 785536000 GHz 3 789941000 GHz 3 884400000 GHz 3 890781000 GHz	-36 31 dBm -36 51 dBm 1 963 dBm -37 17 dBm -33 09 dBm	-23.5 -28.0 -24.1	1 dB 4 dB 7 dB 9 dB	Freq Offset 0 Hz

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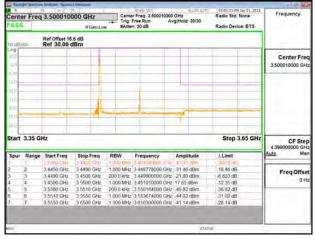
# Report No.: ER/2021/C0138 Page: 132 of 172



#### Band77-Part27\_100MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB270\_0\_CH662000

41.	1	0 182 1	N. 1		5546-147	F1 - 1 - 1 - 1 - 2 -		UPN 40TO	04:00:54 P4	Jan 20, 2012	110 20
Cent		3.930000		-a- Tri	ter Freq: 3.5 Free Run		GHz giHold: 3	0/30	Radio Std.		Frequency
- March			#Gain:Lo	EA:	ten: 30 dB	_			Radio Devi	C#: BTS	
10 dB	ullu-	Ref Offset 16 Ref 30.00 (									
10.0											Center Fre 393000000 GH
000 100		and the second	and the second	where a	and the second	4.4.4	-	-	resting		
200-											
100 C	-						-		-	~	-
112.5					-	-	-			-	
Start	Start 3.87 GHz Stop 3.99 GHz										
Spur	Range	Start Freq	Stop Freq	RBW	Frequer	icy	Amplitu	de	ALimit		Auto Man
1	1	3 8700 GHz	3.8750 GHz	1.000 M	12 3 870610	000 GHz	-34 15 di	Bm	-21.15 dB	1	
2	2	3 8750 GHz	3 8790 GHz	1 000 MB	12 3 878816	000 GHz	-34 38 di	Bm	-21.38 dB		Freq Offset
3	3	3 8790 GHz	3.8800 GHz		z 3.879935				25.64 dB	-	0 Hz
4	'4	3 8800 GHz	3 9600 GHz		12 3.891500				-29 74 dB	_	0 H2
5	5	3 9800 GHz	3.9810 GHz		z 3.980494				-29.45 dB		
6	6	3 9810 GHz	3.9850 GHz		12 3 982492				-21.01 dB	-	
7	1	3 9850 GHz	3.9900 GHz	1 000 MP	4 3.985975	000 GHz	-35 16 di	Bm	-22.16 dB	-	
66	-			-	_	-	-	STATU	-		

### Band77-Part27 100MHz CP OFDM SCS30kHz QPSK RB1 0 CH633334



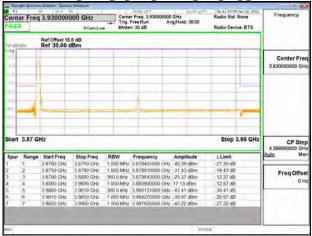
Band77-Part27\_100MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_0\_CH650000

Center Fr	eq 3.750000	000 GHz IFGento	Trig:	Free Run Av n: 30 dB	GHz g Hold: 30/30	Radio Std Radio Dev		Frequency	
u derain	Ref Offset 16 Ref 30.00								
2.0 2.0								Center Fre 3.76000000 Gr CF Ste 4.39900000 Gr	
100 200	1			-	_				
arr	-				_		-		
(0.7) 0(1)		-	-	-	_				
Start 3.69	art 3.69 GHz Stop 3.81 GHz								
Spur Ran	ge Start Freq	Stop Freq	RBW	Frequency	Amplitude	ALImit		Auto Mar	
1 1	3 6900 GHz	3.6950 GHz		3 694235000 GHz		-26.56 dB			
2 2	3,6950 GHz	3 6990 GHz		3 698972000 GHz		-21.96 dB		Freq Offset	
3 3	3 6990 GHz	3.7000 GHz		3 699971000 GHz		10.15 dB		0 Hz	
4 4	3,7000 GHz	3 8000 GHz		3 701100000 GHz		-14 23 dB		a ria	
5 5	3 8000 GHz	3.8010 GHz		3 800276000 GHz		-30.04 dB			
6 6 7 7	3 8010 GHz 3 8050 GHz	3.8050 GHz 3.8100 GHz		3 803656000 GHz 3 608570000 GHz		-27 14 dB			
	3 8050 GH2	3 8 100 1342	a upp) hang	and a substration of the	-39 09 0EIM	-20.69.06			

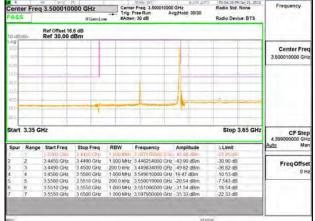
Band77-Part27\_100MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_0\_CH656000

PASS         File         Trip         Free Run         Avg Hold: 3030         Radio Davide BTS           Ref Offset 16.6 dB         Ref 30,00 dBm         Center F         Status 20 dD         Radio Davide BTS           Ling         Ref 30,00 dBm         Center F         Status 20 dD         Radio Davide BTS           Ling         Ref 30,00 dBm         Center F         Status 20 dD         Center F           Status 20 dD         Ref 30,00 dBm         Center F         Status 20 dD         Center F           Status 20 dD         Ref 30,00 dBm         Center F         Status 20 dD         Center F           Status 378 GHz         Stop 3.9 GHz         Stop 3.9 GHz         4 39600000 dL         Auge           1         Status 20 dD         Stop 780 GHz         100 MHz         Status 20 SHBH         2 20 SHBH           2         2         3780 GHz         37980 GHZ         37880 GHZ         37880 GHZ         188 sthm	Cont	er Fren	3.840000	000 GHz	Cente	er Freg: 3.840000		LIPN 4010	Radio Std	H Jan 20, 2022	Frequency
Specific Registrop         Stop 7:sq         REf         Stop 7:sq         Center F           3:sd         <			5.010000				Avg Hold.	30/30	Radio Dev	Ice BTS	1.1.1.1
Spur         Range         Start Freq         Stop         Frequency         Amplitude         L Limit           1         3         3780 GHz         Stop Freq         RBW         Frequency         Amplitude         250 dB         438600000 GHz           1         3         3780 GHz         3765 GHz         Stop Freq         RBW         Frequency         Amplitude         1 Limit         438600000 GHz         438600000 GHz         438600000 GHz         43860000 GHz         43860000 GHz         43860 GHz         550 GHz         7600 GHz         7800 GHz         3760 GHz <t< th=""><th></th><th>div.</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>		div.									
Start 3.78 CHz         Stop 3.9 CHz         439600000 (Hz           500         7.80 CHz         2500 All         250 All <td< th=""><th>10.0</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>Center Freq 3.84000000 GHz</th></td<>	10.0										Center Freq 3.84000000 GHz
Start         Stop         Frequency         Amplitude         Limit         4.38900000 (Hz         4.39900000 (Hz         4.3990 (Hz         4.39900000 (Hz         4.3990 (Hz         4.3990000 (Hz         4.3990 (Hz         4.3990 (Hz         4.3990 (Hz         3.990 (Hz         3.900 (Hz         3.990 (H	utio_	-				-					
Start         3.78 GHz         Stop 3.9 GHz         Amplitude         ALlmit         Allmit         Amplitude         Allmit	0.0					1					
Start 3.78 GHz         Stop 3.9 GHz         CF Stop 3.9 GHz           Spor Range Start Freq Stop Freq RBW Frequency Amplitude 3.1 Limit         4.399000001         Audit 3.9900 GHz         4.399000001           1         3.7800 GHz         3.750 GHz         1.000 MHz         3.7800 GHz         3.6900 GHz         3.2900 GHz         3.7800 GHz         3.780 GHz         3.775 GHZ	101/7										
Spur         Range         Start Freq         Stop         Freq         RBW         Frequency         Amplitude         1 Limit         Auto         1           1         1         3.750.0 GHz         3755.0 GHz         1000 MHz         3760.0 GHz         148.0 GHZ         163.0 GHZ </td <td></td> <td>3.78 G</td> <td>Hz</td> <td></td> <td></td> <td></td> <td></td> <td>_</td> <td>Stop</td> <td>o 3.9 GHz</td> <td>CF Step</td>		3.78 G	Hz					_	Stop	o 3.9 GHz	CF Step
2         2         3         3         7900 GHz         1         7900 GHz         1         8         3         1         8         3         8         1         7         7         7         1         8         1	Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplit	ude	ALImit		
3         3         37890 GHz         37900 GHz         3600 GHz         37990 GHz         37990 GHz         37990 GHz         37990 GHz         3890 GHz         1600 MHz         37990 GHz         3890 GHz         1600 MHz         37990 GHz         1600 MHz         37990 GHz         3890 GHz         1600 MHz         37990 GHz         3600 GHz         1700 GHz         3890 GHz         1600 MHz         3891 GHz         600 Hz         4394 dHm         -15,29 dB         0           5         5         3.690 GHz         3891 GHz         1600 MHz         3894405000 GHz         4394 dHm         -30,94 dB         0           5         6         3.691 GHz         1.000 MHz         3894472000 GHz         4.057 dHz         -27 57 dB         0	1	1	3.7800 GHz	3 7850 GHz	1.000 MHz	3 780390000 G	Hz -39 58 d	1Em	-26.58 dB		
3 3 3 3 7690 CH2 37900 CH2 37900 CH2 37997000 CH2 14 89 68m 14.83 68 4 4 3 7100 CH2 3800 CH2 1000 CH2 1000 CH2 1799700000 CH2 14 89 68m 14.83 68 5 5 3 6800 CH2 3801 CH2 1000 CH2 189040900 CH2 43 94 68m 30.94 68 6 5 3610 CH2 3801 CH2 1000 CH2 189040900 CH2 43 94 68m 30.94 68 6 5 3610 CH2 3801 CH2 1000 CH2 189040900 CH2 43 94 68m 30.94 68 6 5 3610 CH2 3801 CH2 1000 CH2 189040900 CH2 43 94 68m 30.94 68 6 5 3610 CH2 100 CH2 1000 CH2 189040900 CH2 43 94 68m 30.94 68 6 5 3610 CH2 100 CH2 1000 CH2 1000 CH2 1000 CH2 43 78 68m 30.97 68m 30.94 68 6 5 3610 CH2 100 CH2 1000 CH2	2	2									FragOffsel
4 4 3.7490.6Hz 38900.0Hz 38900.0Hz 3900.00Hz 3790700000.0Hz 14.71.dbim -15.29.db 5 5 30900.0Hz 38910.0Hz 3920.0Hz 3920.0Hz 389409000.0Hz 43914.dbm -30.9H dB 5 6 8 36910.0Hz 38950.0Hz 1000.MHz 3894472000.0Hz 40.57.dBm -27.57.dB	3										OH
6 6 3 8910 GHz 3 8950 GHz 1 000 MHz 3 891472000 GHz 40 57 dBm - 27 57 dB	4										0143
	5										
7 7 3 8850 GHz 3 9900 GHz 3 000 MHz 3 855790000 GHz 39 87 dBm 26 67 dB	6										
	7	7	3 8950 GHz	3.9000 GHz	1 000 MHz	3 895790000 G	Hz -39.67 c	1Elm	-26.67 dE	-	

Band77-Part27 100MHz CP OFDM SCS30kHz QPSK RB1 0 CH662000







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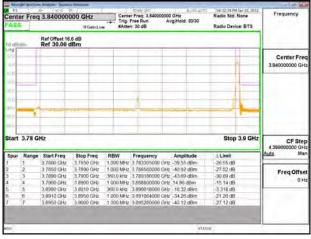
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#### Band77-Part27\_100MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_272\_CH650000

#1.		0- (200 )	No. (		55465 M(T)		UPN 40TO	UNE IN ST PH		Provincent
PASS	er Freq	3.750000	000 GHz FGeinter	Trig:	er Freq: 3,75000 Free Run n: 30 dB	AvgiHold: 3	10/30	Radio Std. Radio Devis		Frequency
(U dE/	div.	Ref Offset 16 Ref 30.00 d								
14.0										4.399000000 GH Auto Ma
1000 -										
- 0.0					1	-				
51.0 105.0										
Start	3.69 G	Hz	-	-	-	_	_	Stop 3	.81 GHz	CF Step
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitu	ıde	ALimit		
1	1	3 6900 GHz	3.6950 GHz	1.000 MHz	3.6943750001	3H2 40.26 d	Bm	-27.26 dB		
2	2	3,6950 GHz	3 6990 GHz		3 696288000 (			-27.22 dB		Freq Offset
3	3	3 6990 GHz	3.7000 GH±		3 69960 1000 0			-30.73 dB		0 Hz
4	4	3,7000 GHz	3 8000 GHz		3 798800000			-14 02 dB		0 112
5	5	3 8000 GHz	3 8010 GHz		3.800018000			-5.641 dB		
6	6	3 8010 GHz	3.8050 GHz		3 801380000			-21.76 dB		
/	7	3 8050 GHz	3 8100 GHz	3 000 MHz	3 809930000 (	ang -39.91 g	elm.	-26.91 dB	-	
							STAT		-	

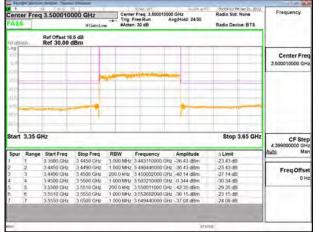
Band77-Part27 100MHz CP OFDM SCS30kHz QPSK RB1 272 CH656000



Band77-Part27\_100MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB1\_272\_CH662000

Cent	-	3.930000	000 GHz	Trip:	r Freq: 3.930000000 Free Run A	GHz vgHold: 30/30	Ra	dio Std.		Frequency
	-	Ref Offset 16								
U dE	vibiy.	Ref 30.00 (	dBm							
10.0										
100 100	_	-			-		-			
-					1					
121.07	Y			1						
Start	3.87 G	Hz					_	Stop 3	.99 GHz	CERtor
1				-			_	200	See See	4.399000000 GHz
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	14	Limit		Auto Mar
1	1	3 8700 GHz	3 8750 GHz	1.000 MHz	3.874525008 GHz	-40.45 dBm	-2	7.45 dB		
2	2	3 8750 GHz	3 8790 GHz		3 876832000 GHz			7.30 dB	-	Freq Offset
3	3	3 8790 GHz	3.8800 GHz		3.879637000 GHz			1.34 dB		0 Hz
4	4	3 8800 GHz	3.9600 GHz		3.979200000 GHz			5 28 dB		a ria
5	5	3 9800 GHz 3 9810 GHz	3.9810 GHz 3.9850 GHz		3 980037000 GHz 3 981080000 GHz			417 dB 2 29 dB	-	
7	0								-	
	<i></i>	a seared GHz	3.0H200 13H2	-1 (60) MPQ	a aetaerooroo (260	577 07 dem		0.01.08		
7 3 9850 GHz 3 9900 GHz 1 000 MHz	3 9850 GHz 3 9900 GHz 1 000 MHz	3 9900 GH2 1 000 MP4	3 000 MHz		3 968960000 GHz		-2	% 87 dB		

Band77-Part27\_100MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB273\_0\_CH633334



Band77-Part27 100MHz CP OFDM SCS30kHz QPSK RB273 0 CH650000



Band77-Part27\_100MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB273\_0\_CH656000

		Radio Std. Radio Devi	3Hz   Hold: 30/30	r Freq: 3.840000000 Free Run Av 1: 30 dB	Trig:	IFGeinton	3.8400000		PASS		
							Ref Offset 16. Ref 30.00 c		10 dE/		
Center Fre 3.84000000 GP									14.0 -		
		1 march	and provide		L. Maison	COLUMN AND			20,00		
	1	1.1.101	-		and all all and	and a state of	a line in		010		
		-	_				-		20,0		
	-	-	_						0.0.0		
	1	-	_		-	_	-	-	and a		
	<b>C C</b>								180		
									10.9		
CF Ster 4.399000000 GH	start 3.78 GHz Stop 3.9 GHz										
Auto Ma		ALImit	Amplitude	Frequency	RBW	Stop Freq	Start Freq	Range	Spur		
	3	-25 67 dB	38.67 dBm	3.782430000 GHz	1.000 MHz	3 7850 GHz	3.7800 GHz	1	1		
	3	-24.95 dB	37.95 dBm	3 785648000 GHz	1 000 MHz	3,7890 GHz	3 7850 GHz	2	2		
		-29.80 dB	42.80 dBm	3.789982000 GHz	360.0 RHz	3.7900 GH±	3 7890 GHz		3		
FreqOffse									4		
Freq Offse	3	-31 12 dB	1 118 dBm	3.856400000 GHz		3 8900 GHz	3.7900 GHz		-		
	3	-24 25 dB	1 118 dBm 37 25 dBm	3.890093000 GHz	360.0 kHz	3.8910 GHz	3 8900 GHz	5	5		
	3 3		1 118 dBm 37 25 dBm 38 62 dBm		360 0 kHz 1 000 MHz				5		

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### Band77-Part27\_100MHz\_CP\_OFDM\_SCS30kHz\_QPSK\_RB273\_0\_CH662000

Cente		3.930000	000 GHz FGento	Trig:	Freq: 3.930000 Free Run n: 30 dB		411PK 4010	Radio Dev		Frequency
tu dB/	div.	Ref Offset 16 Ref 30.00								
100 -										Center Freq 3.930000000 GHz
100	1	Service of the	11-11-1	- day		- Reit	+	(marine marine		
20,0	- 1				-	-				
0.0										
55.0				_		_			1	
105		-	-	-						
Start	3.87 G	Hz	_		_	_		Stop	3.99 GHz	CF Step
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Ampli	tude	ALimit		Auto Man
1	1	3 8700 GHz	3.8750 GHz		3 873710008 0			-25 62 dB		
2	2	3 8750 GHz	3 8790 GHz		3 875012008 0			-24.69 dE		FregOffset
3	3	3 8790 GHz	3.8800 GHz		3.879932000 0			-29 87 dE		OH
4	4	3 8800 GHz	3 9800 GHz		3 903000000 0			-31.85 dB		0 114
5	5	3 9800 GHz	3.9810 GHz		3.980146000 0			-26.41 dB		
6	6	3 9810 GHz	3.9850 GHz		3 984952000 0			-23 14 dB		
/	1	3 9850 GHz	3.9900 GH2	3 000 MHz	3.985345000 0	au - 36 83	deim	-23 83 dE	-	
							-	-		

### Band77-Part27\_20MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_1\_CH630668



Band77-Part27\_20MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_1\_CH633334



Band77-Part27\_20MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_1\_CH636000

- Reycelet See	Siller Aug/set - Sweet	24				
	eq 20.01500	PNO: Fast -+	Trig: Free Run	Avg Type: Log-Pwr	101 31 01 FM Jun 22, 2022 TRACE TYPE (1100000000000000000000000000000000000	Frequency
10 dB/div	Ref Offset 16.6 Ref 30.00 dE		#Atten: 30 dB	Mkr	1 38.574 1 GHz -19.25 dBm	Auto Tune
-eg -00	¥1					Center Fre 20.015000000 GH
100 210	A 2	Ĩ			3	Start Fre 30.000000 Mit
						Stop Fre 40.00000000 GP
enter 20. Res BW	1.0 MHz	#VBW	3.0 MHz	Sweep 66	Span 39.97 GHz .67 ms (40001 pts)	CF Ste 3.997000000 Gr Auto Mi
1 N 2 N 3 N 4	1	3.631 4 GHz 7.080 0 GHz 38.674 1 GHz	26.35 dBm -34.89 dBm -19.25 dBm	ACTION HONE HONE HOUSE		Freq Offse
6 7 8 9 10						Scale Typ
1				STATU	1	

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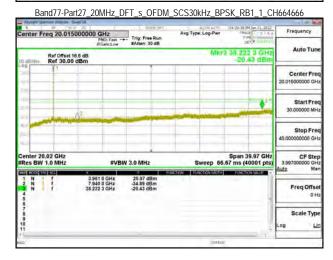


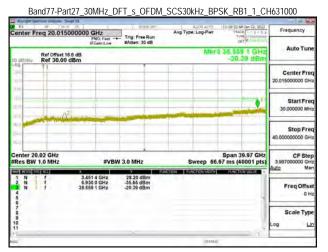
### Band77-Part27\_20MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_1\_CH647334



Band77-Part27\_20MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_1\_CH656000

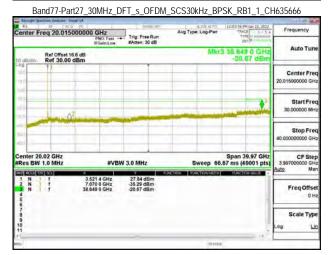






Band77-Part27\_30MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_1\_CH633334





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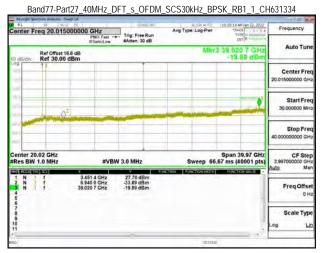
### Band77-Part27\_30MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_1\_CH647668



Band77-Part27\_30MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_1\_CH651000

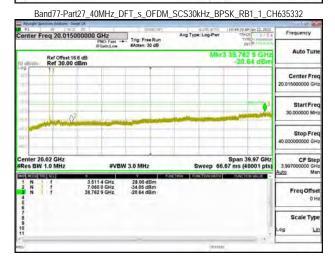


Center Fre	q 20.015000	PNO: Fast -+	Trig: Free Run	Avg Type: Log-Py		Frequency
0 dBidiv	Ref Offset 16.6 c		EAGEN: 30 CD	M	kr3 38.899 8 GHz -20.76 dBm	Auto Tune
200	f1					Center Free 20.015000000 GH
00 00 00	12				3	Start Free 30.000000 MH
						Stop Fre 40.00000000 GH
enter 20.0 Res BW 1	.0 MHz	#VBI	V 3.0 MHz	Sweep	Span 39.97 GHz 66.67 ms (40001 pts)	CF Ster 3.997000000 GH Auto Ma
1 N 2 N 3 N 4 5	-	3 826 2 GHz 7.680 0 GHz 38.899 8 GHz	27.81 dBm -34.25 dBm -20.76 dBm	ACTOR TORONOM		Freq Offse
6 7 8 9 10						Scale Type
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Band77-Part27\_40MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_1\_CH633334





Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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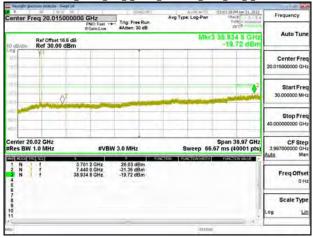
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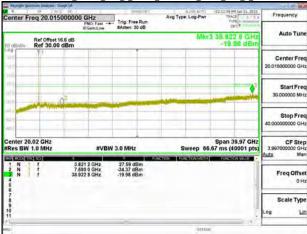
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Band77-Part27\_40MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_1\_CH648000

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Band77-Part27\_40MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_1\_CH656000



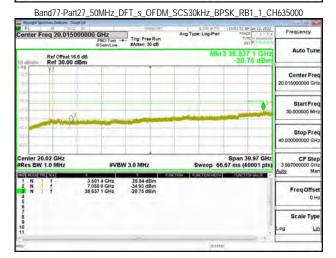
Band77-Part27\_40MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_1\_CH664000 Auto Tu 905 8 Ref Offset 16.6 dB Ref 30.00 dBm Center Fr Start Fre Stop Fre Span 39.97 GHz Sweep 66.67 ms (40001 of enter 20.02 GHz CF Step EVEN 3 0 MHz 3.0 N 3.941 1 GHz 7.920 0 GHz 18 905 8 GHz 26.60 dBm -33.20 dBm -19.62 dBm Freq Offse OF Scale Typ

Band77-Part27\_50MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_1\_CH631668



Band77-Part27\_50MHz\_DFT\_s\_OFDM\_SCS30kHz\_BPSK\_RB1\_1\_CH633334





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